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1.5 diffie-hellman 5.0.3

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1.7 pcsc-lite 1.8.26-3~bpo10+1

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1.11 libxdmcp 1.1.2-3

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1.12 fileapi 2.0.27

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Angular

The sources for this package are in the main [Angular](https://github.com/angular/angular) repo. Please file issues and pull requests against that repo.

Usage information and reference details can be found in [Angular documentation](https://angular.io/docs).

License: MIT

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/README.md

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{"version":3,"file":"forms.js","sources":[]}
```

```
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 */

import {InjectionToken} from '@angular/core';

/**
 * @description
 * Defines an interface that acts as a bridge between the Angular forms
 * API and a native element in the DOM. * * Implement this interface to create a custom form control
 * directive * that integrates with Angular forms. * * @see DefaultValueAccessor * @publicApi
 *
 * @export
 */
export interface ControlValueAccessor {
  /**
   * @description
   * Writes a new value to the element.
   *
   * This method is called by the forms API to write to the view when programmatic changes from model to
   * view are requested.
   *
   * @param value
   */
  writeValue(value: any):
```
The new value for the element

```typescript
writeValue(obj: any): void;
/**
 * @description
 * Registers a callback function that is called when the control's value changes in the UI.
 * This method is called by the forms API on initialization to update the form model when values propagate from the view to the model.
 * When implementing the `registerOnChange` method in your own value accessor, save the given function so your class calls it at the appropriate time.

```

```typescript
registerOnChange(fn: (any) => void): void;

```

```typescript
**/

```

```typescript
/**
 * @description
 * Registers a callback function that is called by the forms API on initialization to update the form model on blur.

```

```typescript
registerOnTouched(fn: any): void;

```

```typescript
/**
 * @description
 * Function that is called by the forms API when the control status changes to or from 'DISABLED'. Depending on the status, it enables or disables the DOM element.

```

```typescript
setDisabledState?(isDisabled: boolean): void;

```

```typescript
*/

```

```typescript
export const

```

```typescript
NG_VALUE_ACCESSOR = new InjectionToken<ControlValueAccessor>('NgValueAccessor');

```

```typescript
@Directive({
    selector: '[type=checkbox][formControl], [type=checkbox][formControlName], [type=checkbox][ngModel]',
    host: {'(change)': '_onChange($event.target.value)', '(blur)': '_onTouched()'},
    providers: [CHECKBOX_VALUE_ACCESSOR]
})
export class CheckboxControlValueAccessor implements ControlValueAccessor {
```

```typescript
constructor(private _renderer: Renderer2, private _elementRef: ElementRef) {}

```

```typescript
/**
 * @description
 * The registered callback function called when a blur event occurs on the input element.

```

```typescript
onTouched = () => {};

```
function called when the control is touched.\n */
* @param fn The callback function\n */
registerOnTouched(fn: () => {}): void { this.onTouched = fn; }
/**\n * Sets the \"disabled\" property on the input element.\n * @param isDisabled The disabled value\n */
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, \'disabled\', isDisabled);
}
/**\n * The default \`CompositionEvent\` accessor for writing a value and listening to changes on input\n * elements. The accessor is used by the \`FormControlDirective\`, \`FormControlName\`, and\n * \`NgModel\` directives.\n */
* @usageNotes\n* @usageNotesNoSpace\n* ### Using the default value accessor\n* The following example shows how to use an input element that activates the default value accessor\n* (in this case, a text field).\n*\n*```ts\n* const firstNameControl = new FormControl();\n* ```
*\n*```\n* <input type="text" [formControl]="firstNameControl">\n* ```
*\n* @ngModule ReactiveFormsModule\n* @ngModule FormsModule\n* @publicApi\n* */
@Directive({
  selector: \[input:not([type=checkbox])[formControlName],textarea[formControlName],input:not([type=checkbox])[formControl],textarea[formControl],input:not([type=checkbox])[ngModel],textarea[ngModel],[ngDefaultControl],\[ngModel\],\[formControl\],\[formControlName\]\],
  host: {
    \'(input)\': \'$any(this)._handleInput($event.target.value)\',
    \'(blur)\': \'onTouched()\',
    \'(compositionstart)\': \'$any(this)._compositionStart()\'
  },
  providers: [DEFAULT_VALUE_ACCESSOR]
})
export class DefaultValueAccessor implements ControlValueAccessor {
  /**\n   * @description\n   * The registered callback function called when the control value\n   * changes.\n   * @param fn The callback function\n   */\n  onTouched = () => {};
  /**\n   * @description\n   * The registered\n   * callback function called when a blur event occurs on the input element.\n   */\n  setDisabledState(isDisabled: boolean): void {
    this._renderer.setProperty(this._elementRef.nativeElement, \'disabled\', isDisabled);
  }
  /** @internal */\n  _handleInput(value: any): void {
    if (!this._compositionMode || (this._compositionMode && !this._composing)) {
      this.onChange(value);
    }
  }
  /** @internal */\n  _compositionStart(): void { this._composing = true;\n
Reports whether a control is pending, meaning that async validation is occurring and errors are not yet available for the input value. If the control is not present, null is returned. Returns whether the control is invalid, meaning that an error exists in the input value. If the control is not present, null is returned.

Reports whether the control is disabled, meaning that the control is excluded in ancestor calculations of validity or value. If the control is not present, null is returned. Returns whether the control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

Reports whether the control is dirty, meaning that the user has changed the value in the UI. If the control is not present, null is returned.

Returns whether the control is enabled, meaning that the control is included in ancestor calculations of validity or value. If the control is not present, null is returned. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.

Returns the value of the control if it is present, otherwise null. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.

Reports whether a control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

Reports whether the control is touched, meaning that the user has triggered a ‘blur’ event on it. If the control is not present, null is returned.

Reports whether the control is changed, meaning that the user has triggered a ‘blur’ event on it. If the control is not present, null is returned.

Reports whether a control is pending, meaning that async validation is occurring and errors are not yet available for the input value. If the control is not present, null is returned.

Reports whether the control is invalid, meaning that an error exists in the input value. If the control is not present, null is returned.

Reports whether a control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

Reports whether a control is dirty, meaning that the user has changed the value in the UI. If the control is not present, null is returned.

Returns whether the control is disabled, meaning that the control is excluded in ancestor calculations of validity or value. If the control is not present, null is returned.

Reports whether a control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

Reports whether a control is dirty, meaning that the user has changed the value in the UI. If the control is not present, null is returned.

Returns the value of the control if it is present, otherwise null. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.

Returns the value of the control if it is present, otherwise null. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.

Reports whether a control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

Reports whether a control is dirty, meaning that the user has changed the value in the UI. If the control is not present, null is returned.

Returns the value of the control if it is present, otherwise null. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.

Returns the value of the control if it is present, otherwise null. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.

Reports whether a control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

Reports whether a control is dirty, meaning that the user has changed the value in the UI. If the control is not present, null is returned.

Returns the value of the control if it is present, otherwise null. Returns whether the control is valid. A control is considered valid if no validation errors exist with the current value. If the control is not present, null is returned.
list of control names that designates how to move from the current control to the control that should be queried for errors.

```typescript
* @usageNotes
  * For example, for the following `FormGroup`:
  *
  * ```
  * form = new FormGroup({
  *   address: new FormGroup({ street: new FormControl() })
  * });
  * ```
  *
  * The path to the 'street' control from the root form would be 'address' -> 'street'.
  *
  * It can be provided to this method in one of two formats:
  *
  * 1. An array of string control names, e.g. `['address', 'street']`
  * 1. A period-delimited list of control names in one string, e.g. `'address.street'`
  *
  * If no path is given, this method checks for the error on the current control.
  *
  * @returns whether the given error is present in the control at the given path.
  *
  *
  * If the control is not present, false is returned.
  *
  * ```
  * hasError(errorCode: string, path?: Array<string|number>|string): boolean {
  *   return this.control ? this.control.hasError(errorCode, path) : false;
  * }```
```

```typescript
/**
 * @description
 * Reports error data for the control with the given path.
 *  *
 * 1. An array of string control names, e.g. `['address', 'street']`
 * 1. A period-delimited list of control names in one string, e.g. `'address.street'`
 *  *
 * @returns error data for that particular error. If the control or error is not present,
 * null is returned.
 *  *
 * ```
 * getError(errorCode: string, path?: Array<string|number>|string): any {
 *   return this.control ? this.control.getError(errorCode, path) : null;
 * }```
```
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```typescript
import {InjectionToken, ɵisObservable as isObservable, ɵisPromise as isPromise} from '@angular/core';
import {Observable, forkJoin, from} from 'rxjs';
import {map} from 'rxjs/operators';
import {AsyncValidatorFn, ValidationErrors, Validator, ValidatorFn} from './directives/validators';
import {AbstractControl, FormControl} from './model';

function isEmptyInputValue(value: any): boolean {
  // we don't check for string here so it also works with arrays
  return value == null || value.length === 0;
}

/**
 * A regular expression that matches valid e-mail addresses.
 *
 * At a high level, this regexp matches e-mail addresses of the format `local-part@tld`,
 * where:
 * - `local-part` consists of one or more of the allowed characters (alphanumeric and some
 *   punctuation symbols).
 * - `local-part` cannot begin or end with a period (`.`).
 * - `local-part’ cannot be longer than 64

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chars.

* `tld` consists of one or more `labels` separated by periods (`.`). For example `localhost` or `foo.com.`

* `A - `label` consists of one or more of the allowed characters (alphanumeric, dashes (`-`) and periods (`.`)).

* `A - `label` cannot begin or end with a dash (`-`) or a period (`.`).

* `A - `label` cannot be longer than 63 characters.

* The whole address cannot be longer than 254 characters.

### Implementation

#### Background

This regexp was ported over from AngularJS (see there for git history):

https://github.com/angular/angular.js/blob/c133ef836/src/ng/directive/input.js#L27

* It is based on the

[WHATWG version](https://html.spec.whatwg.org/multipage/input.html#valid-e-mail-address) with some enhancements to incorporate more RFC rules (such as rules related to domain names and the length of different parts of the address). The main differences from the WHATWG version are:

* Disallow `local-part` to begin or end with a period (`.`).

* Disallow `local-part` length to exceed 64 characters.

* Disallow total address length to exceed 254 characters.

** ## Implementation

```
const EMAIL_REGEXP =
    /^(?=.{1,254}$)(?=.{1,64}@)\[a-zA-Z0-9!#$%&'*+/=?^_`{|}~-]+(?:\.[a-zA-Z0-9!#$%&'*+/=?^_`{|}~-]+)*@[a-zA-Z0-9](?:[a-zA-Z0-9-]{0,61}[a-zA-Z0-9])?(?:\.[a-zA-Z0-9](?:[a-zA-Z0-9-]{0,61}[a-zA-Z0-9])?)*$/;
```

### Validators

* **@description**

  * Provides a set of built-in validators that can be used by form controls.

  * A validator is a function that processes a `FormControl` or collection of controls and returns an error map or null. A null map means that validation has passed.

  * @see [Form Validation](/guide/form-validation)

  * @publicApi

  ```typescript
  export class Validators {
    /**
     * @description
     * Validator that requires the control's value to be greater than or equal to the provided number.
     *
     * @usageNotes
     *
     * ### Validate against a minimum of 3
     *
     * ```typescript
     * const control = new FormControl(2, Validators.min(3));
     *
     * console.log(control.errors); // {min: {min: 3, actual: 2}}
     * ```
     *
     * @returns A validator function that returns an error map with the `min` property if the validation check fails, otherwise `null`.

     * @see `updateValueAndValidity()`

     * @publicApi

     */
    static min(min: number): ValidatorFn {
      return (control: AbstractControl): ValidationErrors | null => {
        if (isEmptyInputValue(control.value) || isEmptyInputValue(min)) {
          return null;  // don't validate empty values to allow optional controls
        }
        const value = parseFloat(control.value);
        // Controls with NaN values after parsing should be treated as not having a number
        // minimum, per the HTML forms spec: https://www.w3.org/TR/html5/forms.html#attr-input-min
        return isNaN(value) && value < min ? {'min': {'min': min, 'actual': control.value}} : null;
      };
    }

    /**
     * @description
     * Validator that requires the control have a non-empty value.
     *
     * @usageNotes
     *
     * ### Validate that the field is non-empty
     *
     * ```typescript
     * const control = new FormControl(' ', Validators.required);
     *
     * console.log(control.errors); // {required: true}
     * ```
     *
     * @returns An error map with the 'required' property if the validation check fails, otherwise `null`.

     * @see `updateValueAndValidity()`

     * @publicApi

     */
    static required(control: AbstractControl): ValidationErrors|null {
      return isEmptyInputValue(control.value) ? {'required': true} : null;
    }

    /**
     * @description
     * Validator that requires the control's value be true. This validator is commonly used for required checkboxes.

     * @usageNotes
     *
     * ### Validate that the field value is true
     *
     * ```typescript
     * const control = new FormControl(' ', Validators.required);
     *
     * console.log(control.errors); // {required: true}
     * ```
     *
     * @returns An error map with the 'required' property if the validation check fails, otherwise `null`.

     * @see `updateValueAndValidity()`

     * @publicApi

     */
    static requiredTrue(control: AbstractControl): ValidationErrors|null {
      return isEmptyInputValue(control.value) ? {'required': true} : null;
    }
  }
```
@returns An error map that contains the `required` property set to `true` if the validation check fails, otherwise `null`.

```typescript
const control = new FormControl('bad@', Validators.email);
```

```html
<input maxLength="5">
```

```typescript
const control = new FormControl('Angular', Validators.maxLength(3));
```

```html
<input pattern="[a-zA-Z ]*">
```

```typescript
Validators.pattern(\'^[a-zA-Z ]*$\');
```

```html
<input pattern="^[a-zA-Z ]*$\">
```

```typescript
 Validators.pattern('^[a-zA-Z ]*$')
```

```html
<
```

```typescript
 Validators.email
```

```html
<
```

```typescript
 Validators.email
```

```html
<
```

```typescript
 Validators.email
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```typescript
 Validators.email
```

```html
<
```

```typescript
 Validators.email
```

```html
<
```
validation check fails, otherwise `null`.

```typescript
export function pattern(pattern: string|RegExp): ValidatorFn {
  if (!pattern) return Validators.nullValidator;
  let regex:
  RegExp; let regexStr: string; if (typeof pattern === 'string') {
    regexStr = '';
    if (pattern.charAt(0) !== '^') regexStr += '^';
    regexStr += pattern; if (pattern.charAt(pattern.length - 1) !== '$') regexStr += '$';
    regex = new RegExp(regexStr); } else { regexStr = pattern.toString(); regex = pattern; }
  return (control: AbstractControl): ValidationErrors | null => {
    if (isEmptyInputValue(control.value)) {
      return null; // don't validate empty values to allow optional controls
    }
    const value: string = control.value;
    return regex.test(value) ? null : {
      'pattern': {'requiredPattern': regexStr, 'actualValue': value}
    };}
}
```

```typescript
/**
 * @description
 * Validator that performs no operation.
 *
 * @see `updateValueAndValidity()`
 *
 */
export function nullValidator(control: AbstractControl): ValidationErrors|null {
  return null;
}
```

```typescript
/**
 * @description
 * Compose multiple validators into a single function that returns the union
 * of the individual error maps for the provided control.
 *
 * @returns A validator function that returns an error map with the
 * merged error maps of the validators if the validation check fails, otherwise
 * `null`.
 *
 * @see `updateValueAndValidity()`
 *
 */
export function compose(validators: ValidatorFn|null|undefined[]): ValidatorFn|null {
  if (!validators) return null;
  const presentValidators: ValidatorFn[] = validators.filter(isPresent) as any;
  if (presentValidators.length == 0) return null;
  return function(control: AbstractControl) {
    return _mergeErrors(_executeValidators(control, presentValidators));
  };
}
```

```typescript
/**
 * @description
 * Compose multiple async validators into a single function that returns the
 * union of the individual error objects for the provided control.
 *
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 *
 * @see `updateValueAndValidity()`
 *
 */
export function composeAsync(validators: AsyncValidatorFn|null[]): AsyncValidatorFn|null {
  if (!validators) return null;
  const presentValidators: AsyncValidatorFn[] = validators.filter(isPresent) as any;
  if (presentValidators.length == 0) return null;
  return function(control: AbstractControl) {
    const observables = _executeAsyncValidators(control, presentValidators).map(toObservable);
    return forkJoin(observables).pipe(map(_mergeErrors));
  };
}
```

```typescript
function isPresent(o: any): boolean {
  return o != null;
}
```

```typescript
export function toObservable(r: any): Observable<any> {
  const obs = isPromise(r) ? from(r) : r;
  if (!(isObservable(obs))) {
    throw new Error(`Expected validator to return Promise or Observable.`);
  }
  return obs;
}
```

```typescript
function _executeValidators(control: AbstractControl, validators: ValidatorFn[]): any[] {
  return validators.map(v => v(control));
}
```

```typescript
function _executeAsyncValidators(control: AbstractControl, validators: AsyncValidatorFn[]): any[] {
  return validators.map(v => v(control));
}
```

```typescript
function _mergeErrors(arrayOfErrors: ValidationErrors[]): ValidationErrors|null {
  let res: {
    [key: string]: any
  } = {};
  arrayOfErrors.forEach((errors: ValidationErrors | null) => {
    res = errors != null ? {...res !, ...errors} : res !;
  });
  return Object.keys(res).length === 0 ? null : res;
}
```

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any = {
  provide: NG_VALUE_ACCESSOR,
  useExisting: forwardRef(() => NumberValueAccessor),
  multi: true
};

/**
 * @description
 * The `ControlValueAccessor` for writing a number value and listening to number input changes.
 * The value accessor is used by the `FormControlDirective`, `FormControlName`, and `NgModel` directives.
 * @usageNotes
 * Using a number input with a reactive form:
 * @param
 * The following example shows how to use a number input with a reactive form.
 * @param
 * The example uses the `NumberValueAccessor` for writing and listening to number input changes.
 * @param
 * The example shows how to use a number input with a reactive form.
 * @param
 * The example uses the `NumberValueAccessor` for writing and listening to number input changes.
 * @param
 * The example shows how to use a number input with a reactive form.
 * @param
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 * The example shows how to use a number input with a reactive form.
 * @param
 * The example uses the `NumberValueAccess...
form. Radio buttons in the same group should have the same `FormControlName`. * Providing a `name` attribute is optional. * The registered callback function called when a change event occurs on the input element. * The registered callback function called when a blur event occurs on the input element.

```typescript
class RadioControlValueAccessor implements ControlValueAccessor,
    OnDestroy, OnInit {
  /** @internal */
  // TODO(issue/24571): remove '!'.
  _state !: boolean;
  /** @internal */
  // TODO(issue/24571): remove '!'.
  _control !: NgControl;
  /** @internal */
  // TODO(issue/24571): remove '!'.
  _fn !: Function;

  /**
   * @description
   * The registered callback function called when a change event occurs on the input element.
   */
  onChange = () => {};

  /**
   * @description
   * The registered callback function called when a blur event occurs on the input element.
   */
  onTouched = () => {};

  /**
   * @description
   * Tracks the name of the radio input element.
   */

  /**
   * @description
   * Tracks the name of the FormControl bound to the directive. The name corresponds * to a key in the parent 'FormGroup' or 'FormArray'.
   */

  /**
   * @description
   * Tracks the value of the radio input element
   */
  @Input() value: any;

  constructor(
      private _renderer: Renderer2, private _elementRef: ElementRef,
      private _registry: RadioControlRegistry, private _injector: Injector) {}

  ngOnInit(): void {
    this._control = this._injector.get(NgControl);
    this._checkName();
    this._registry.add(this._control, this);
  }

  private _checkName(): void {
    if (this.name && this.formControlName &&
      this.name !== this.formControlName) {
      this._throwNameError();
    }
    if (!this.name &&
      this.formControlName) this.name = this.formControlName;
  }

  private _throwNameError(): void {
    throw new Error(`
      If you define both a name and a formControlName attribute on your radio button, their values
      must match. Ex: <input type="radio" formControlName="food" name="food">
    `);
  }
}

/**
 * The `ControlValueAccessor` for writing a range value and listening to range input changes.
 * The value accessor is used by the `FormControlDirective`,
 * `FormControlName`, and `NgModel` directives.

 * Usage:
 * Using a range input with a reactive form
 * ```ts
 * const ageControl = new FormControl();
 * ```
 * ```
 * <input type="range" [formControl]="ageControl">
 * ```

 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */
@Directive({
  selector:
      'input[type=range]
```
Open Source Used In MSX SD-WAN Service Pack 3.9.0

```typescript
import {FormErrorExamples as Examples} from './error_examples';

export class ReactiveErrors {
  static controlParentException(): void {
    throw new Error(`formControlName must be used with a parent formGroup directive. You'll want to add a formGroup directive and pass it an existing FormGroup instance (you can create one in your class).

    Example:

    $Examples.formControlName`);}

  static ngModelGroupException(): void {
    throw new Error(`formControlName cannot be used with an ngModelGroup parent. It is only compatible with parents that also have a "form" prefix: formGroupName, formArrayName, or formGroup.

    Example:

    $Examples.formGroupName`};

  static missingFormException(): void {
    throw new Error(`formGroup expects a FormGroup instance. Please pass one in.

    Example:

    $Examples.formControlName`);}

  static groupParentException(): void {
    throw new Error(`formGroupName must be used with a parent formGroup directive. You'll want to add a formGroup directive and pass it an existing FormGroup instance (you can create one in your class).

    Example:

    $Examples.formGroupName`);}

  static arrayParentException(): void {
    throw new Error(`formArrayName must be used with a parent formGroup directive. You'll want to add a formGroup directive and pass it an existing FormGroup instance (you can create one in your class).

    Example:

    $Examples.formArrayName`);}

  static staticControlParentException(): void {
    throw new Error(`formControlName must be used with a parent formGroup directive. You'll want to add a formGroup directive and pass it an existing FormGroup instance (you can create one in your class).

    Example:

    $Examples.formControlName`);}

  static ngModelGroupException(): void {
    throw new Error(`formControlName cannot be used with an ngModelGroup parent. It is only compatible with parents that also have a "form" prefix: formGroupName, formArrayName, or formGroup.

    Example:

    $Examples.formGroupName`);}

  static missingFormException(): void {
    throw new Error(`formGroup expects a FormGroup instance. Please pass one in.

    Example:

    $Examples.formControlName`);}

  static groupParentException(): void {
    throw new Error(`formGroupName must be used with a parent formGroup directive. You'll want to add a formGroup directive and pass it an existing FormGroup instance (you can create one in your class).

    Example:

    $Examples.formGroupName`);}

  static arrayParentException(): void {
    throw new Error(`formArrayName must be used with a parent formGroup directive. You'll want to add a formGroup directive and pass it an existing FormGroup instance (you can create one in your class).

    Example:

    $Examples.formArrayName`);}
```
and pass it an existing FormGroup instance (you can create one in your class).

Example:

```javascript
${Examples.formArrayName}`);
  }

  static disabledAttrWarning(): void {
    console.warn(`
      It looks like you're using the disabled attribute with a reactive form directive. If you set disabled to true when you set up this control in your component class, the disabled attribute will actually be set in the DOM for you. We recommend using this approach to avoid 'changed after checked' errors.

Example: 
  form = new FormGroup({
    first: new FormControl({value: 'Nancy', disabled: true}, Validators.required),
    last: new FormControl('Drew', Validators.required)
  });
```

```javascript
static ngModelWarning(directiveName: string): void {
    console.warn(`
    It looks like you're using ngModel on the same form field as ${directiveName}.
    Support for using the ngModel input property and ngModelChange event with reactive form directives has been deprecated in Angular v6 and will be removed in Angular v7.
    For more information on this, see our API docs here:
    https://angular.io/api/forms/\$\{directiveName\} ### Using select controls in a template-driven form

To use a select in a template-driven form, simply add an `ngModel` and a `name` attribute to the main `<select>` tag.

```javascript
{@example forms/ts/selectControl/select_control_example.ts region='Component'}

### Customizing option selection

Angular uses object identity to select option. It's possible for the identities of items to change while the data does not. This can happen, for example, if the items are produced from an RPC to the server, and that RPC is re-run. Even if the data hasn't changed, the second response will produce objects with different identities.

To customize the default option comparison algorithm, `<select>` supports `compareWith` input. `compareWith` takes a **function** which has two arguments: `option1` and `option2`. If `compareWith` is given, Angular selects option by the return value of the function.

```javascript
const selectedCountriesControl = new FormControl();
```

```javascript
<select 
   [compareWith]='compareFn'
   [formControl]='selectedCountriesControl'>
    <option *ngFor="let country of countries"
           [ngValue]='country.name'>
        {{country.name}}
    </option>
</select>
```

```javascript
compareFn(c1: Country, c2: Country): boolean {
  return c1 & c2 ? c1.id === c2.id : c1.id === c2.id || c1.name === c2.name
}
```
The registered callback function called when a blur event occurs on the input element.

```typescript
@description
* The registered callback function called when a blur event occurs on the input element.

* onTouched = () => {};

/**
 * @description
 * Tracks the option comparison algorithm for tracking identities when checking for changes.
 * @Input()
 * @param value
 * @description
 * The callback function called when the control value changes.
 * @Input()
 * @param fn
 * @description
 * The callback function called when the control is touched.

* @Input()
* @param isDisabled
* @description
* Lifecycle method called before the directive's instance is destroyed.

* @description
* Copyright Google Inc. All Rights Reserved.

* Provide:
*/
```
Mock interface for HTML Options */

```

textString.split(':')
```
for (const id of Array.from(this._optionMap.keys())) {
    if (this._compareWith(this._optionMap.get(id) !._value, value)) return id;
  } return null;
}

/** @internal */
_getOptionValue(valueString: string): any {
  const id: string = _extractId(valueString);
  return this._optionMap.has(id) ? this._optionMap.get(id) !._value : valueString;
}

_getOptionValue */

/** @internal */
_getOptionValue */

/** @internal */
_getOptionValue */

/**
 * @description
 * Marks `<option>` as dynamic, so Angular can be notified when
 * options change.
 * Unlike the value binding, * ngValue supports binding to objects.
 * For objects, use the
 * `'ngValue'` input binding.
 */
@Input('ngValue')
set ngValue(value: any) {
  if (this._select == null) return;
  this._value = value;
  this._setElementValue(_buildValueString(this.id, value));
  this._select.writeValue(this._select.value);
}

/**
 * @description
 * Tracks simple string values bound to the option element.
 * For objects, use the
 * `'ngValue'` input binding.
 */
@Input('value')
set value(value: any) {
  if (this._select) {
    this._value = value;
    this._setElementValue(_buildValueString(this.id, value));
    this._select.writeValue(this._select.value);
  } else {
    this._setElementValue(value);
    this._select.writeValue(this._select.value);
  }
}

/** @internal */
_setSelected(selected: boolean) {
  this._renderer.setProperty(this._element.nativeElement, 'selected', selected);
}

/**
 * @description
 * Lifecycle method called before the directive's instance is destroyed. For internal use only.
 */
ngOnDestroy(): void {
  if (this._select) {
    this._select.writeValue(this._select.value);
  }
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this
 * source code is governed by an MIT-style license that can be
 * found in the LICENSE file at
 * https://angular.io/license
 */

import {isDevMode, ɵlooseIdentical as looseIdentical} from '@angular/core';
import {FormArray, FormControl, FormGroup} from '../model';
import {Validators} from '../validators';
import {AbstractControlDirective} from './abstract_control_directive';
import {AbstractFormGroupDirective} from './abstract_form_group_directive';
import {CheckboxControlValueAccessor} from './checkbox_value_accessor';
import {ControlContainer} from './control_container';
import {ControlValueAccessor} from './control_value_accessor';
import {DefaultValueAccessor} from './default_value_accessor';
import {NgControl} from './ng_control';
import {normalizeAsyncValidator, normalizeValidator, NumberValueAccessor, RangeValueAccessor, SelectControlValueAccessor, SelectMultipleControlValueAccessor, SelectValidatorFn, Validator, ValidatorFn} from './validators';

export function controlPath(name: string | null, parent: ControlContainer): string[] {
  return 
    const id: string = _extractId(valueString);
  return this._optionMap.has(id) ? this._optionMap.get(id) !._value : valueString;
}

_getOptionValue */

/** @internal */
_getOptionValue */

/**
 * @description
 * Tracks simple string values bound to the option element.
 * For objects, use the
 * `'ngValue'` input binding.
 */
@Input('ngValue')
set ngValue(value: any) {
  if (this._select == null) return;
  this._value = value;
  this._setElementValue(_buildValueString(this.id, value));
  this._select.writeValue(this._select.value);
}

/**
 * @description
 * Tracks simple string values bound to the option element.
 * For objects, use the
 * `'ngValue'` input binding.
 */
@Input('value')
set value(value: any) {
  if (this._select) {
    this._value = value;
    this._setElementValue(_buildValueString(this.id, value));
    this._select.writeValue(this._select.value);
  } else {
    this._setElementValue(value);
    this._select.writeValue(this._select.value);
  }
}

/** @internal */
_setSelected(selected: boolean) {
  this._renderer.setProperty(this._element.nativeElement, 'selected', selected);
}

/**
 * @description
 * Lifecycle method called before the directive's instance is destroyed. For internal use only.
 */
ngOnDestroy(): void {
  if (this._select) {
    this._select.writeValue(this._select.value);
  }
}
null;`\n`\n`if (!Array.isArray(valueAccessors))`\n`_throwError(dir, `'Value accessor was not provided as an array for form control with');`\n`let defaultAccessor: ControlValueAccessor|undefined = undefined;`\n`let builtinAccessor: ControlValueAccessor|undefined = undefined;`\n`let customAccessor: ControlValueAccessor|undefined = undefined;`\n`valueAccessors.forEach((v: ControlValueAccessor) => {`\n`  if (v.constructor === DefaultValueAccessor) {
    defaultAccessor = v;`\n  } else if (isBuiltInAccessor(v)) {
    if (builtinAccessor) return builtinAccessor;
    builtinAccessor = v;
  } else {
    if (customAccessor) return customAccessor;
    customAccessor = v;
  }
});

if (customAccessor) return customAccessor;
if (builtinAccessor) return builtinAccessor;
if (defaultAccessor) return defaultAccessor;
_throwError(dir, `'No valid value accessor for form control with');
return null;
`\n`export function removeDir<T>(list: T[], el: T): void {
  const index = list.indexOf(el);
  if (index > -1) list.splice(index, 1);
}`\n`// TODO(kara): remove after deprecation period
export function _ngModelWarning(
    name: string,
    type: {_ngModelWarningSentOnce: boolean},
    warningConfig: string | null) {
  if (!isDevMode() || warningConfig === 'never') return;

  if (((warningConfig === null || warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
      (warningConfig === 'always' && !instance._ngModelWarningSent)) {
    ReactiveErrors.ngModelWarning(name);
    type._ngModelWarningSentOnce = true;
    instance._ngModelWarningSent = true;
  }
}`\n`import {EventEmitter} from '@angular/core';
import {Observable} from 'rxjs';
import {composeAsyncValidators, composeValidators} from './directives/validators';
import {AsyncValidatorFn, ValidationErrors, ValidatorFn} from './directives/validators';
import {toObservable} from './validators';

/**
 * Reports that a FormControl is valid, meaning that no errors exist in the input value.
 * @see `status`
 */
export const VALID = 'VALID';

/**
 * Reports that a FormControl is invalid, meaning that an error exists in the input value.
 * @see `status`
 */
export const INVALID = 'INVALID';

/**
 * Reports that a FormControl is pending, meaning that async
 * validation is occurring and errors are not yet available for the input value.
 * @see `status`
 * @see `markAsPending`
 */
export const PENDING = 'PENDING';

/**
 * Reports that a FormControl is disabled, meaning that the control is exempt from ancestor
 * calculations of validity or value.
 * @see `validationState`
 */
export const DISABLED = 'DISABLED';

function _find(control: AbstractControl, path: Array<string|number>| string, delimiter: string) {
  if (path == null) return null;

  if (!Array.isArray(path)) {
    path = path.split(delimiter);
  }
  if (Array.isArray(path) && path.length === 0)
    return null;

  // Not using Array.reduce here due to a Chrome 80 bug
  // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
  let controlToFind: AbstractControl|null = control;
  path.forEach((name: string | number) => {
    if (controlToFind instanceof FormGroup) {
      controlToFind = controlToFind.controls.hasOwnProperty(name as string) ?
          controlToFind.controls[name] : null;
    } else if (controlToFind instanceof FormArray) {
      controlToFind = controlToFind.at(<number>name) || null;
    } else {
      controlToFind = null;
    }
  });
  return controlToFind;
}

function coerceToValidator(
    validatorOrOpts?: ValidatorFn | ValidatorFn[] | AbstractControlOptions | null): ValidatorFn|
    null {
  const validator =
      (isOptionsObj(validatorOrOpts) ?
          (validatorOrOpts as AbstractControlOptions).validators :
                                       validatorOrOpts) as ValidatorFn|
      ValidatorFn[] | null;

  return Array.isArray(validator) ? composeValidators(validator) : validator;
}

function coerceToAsyncValidator(
    asyncValidator?: AsyncValidatorFn | AsyncValidatorFn[] | null,
    validatorOrOpts?: ValidatorFn |
        ValidatorFn[] | AbstractControlOptions | null): AsyncValidatorFn|null {
  const origAsyncValidator =
      (isOptionsObj(validatorOrOpts) ?
          (validatorOrOpts as AbstractControlOptions).asyncValidators :
                                       asyncValidator) as AsyncValidatorFn|
      AsyncValidatorFn[] | null;

  return Array.isArray(asyncValidator) ? composeAsyncValidators(asyncValidator) :
      origAsyncValidator;
}

function _throwError(dir, 'Value accessor was not provided as an array for form control with');
let defaultAccessor: ControlValueAccessor|undefined = undefined;
let builtinAccessor: ControlValueAccessor|undefined = undefined;
let customAccessor: ControlValueAccessor|undefined = undefined;
valueAccessors.forEach((v: ControlValueAccessor) => {
  if (v.constructor === DefaultValueAccessor) {
    defaultAccessor = v;
  } else if (isBuiltInAccessor(v)) {
    if (builtinAccessor) return builtinAccessor;
    builtinAccessor = v;
  } else {
    if (customAccessor) return customAccessor;
    customAccessor = v;
  }
});

if (customAccessor) return customAccessor;
if (builtinAccessor) return builtinAccessor;
if (defaultAccessor) return defaultAccessor;
_throwError(dir, 'No valid value accessor for form control with');
return null;

export function removeDir<T>(list: T[], el: T): void {
  const index = list.indexOf(el);
  if (index > -1) list.splice(index, 1);
}

// TODO(kara): remove after deprecation period
export function _ngModelWarning(name: string, type: {_ngModelWarningSentOnce: boolean}, warningConfig: string | null) {
  if (!isDevMode() || warningConfig === 'never') return;

  if (((warningConfig === null || warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
      (warningConfig === 'always' && !instance._ngModelWarningSent)) {
    ReactiveErrors.ngModelWarning(name);
    type._ngModelWarningSentOnce = true;
    instance._ngModelWarningSent = true;
  }
}
AbstractControl.

The list of validators applied to a control.

The list of async validators applied to control.

The event name for control to update upon.

`AbstractControl.

* @publicApi
 */
export interface AbstractControlOptions {
  /**
   * @description
   * The list of validators applied to a control.
   * @publicApi
   */
  validators?: ValidatorFn[]|
  null;
  /**
   * @description
   * The list of async validators applied to control.
   * @publicApi
   */
  asyncValidators?: AsyncValidatorFn[]|
  null;
  /**
   * @description
   * The event name for control to update upon.
   * @publicApi
   */
  updateOn?: 'change'|'blur'|'submit';
}

function isOptionsObj(
    validatorOrOpts?: ValidatorFn|
    ValidatorFn[] | AbstractControlOptions | null): boolean {
  return validatorOrOpts != null &&
      !Array.isArray(validatorOrOpts) &&
      typeof validatorOrOpts === 'object';
}

/**
 * This is the base class
 * for `FormControl`, `FormGroup`, and `FormArray`.
 *
 * It provides some of the shared behavior that all controls
 * and groups of controls have, like
 * running validators, calculating status, and resetting state. It also defines the
 * properties
 * that are shared between all sub-classes, like `value`, `valid`, and `dirty`.
 * It shouldn't be
 * instantiated directly.
 *
 * @param validator The function that determines the synchronous validity of this control.
 * @param asyncValidator The function that determines the asynchronous validity of this control.
 */
constructor(public validator: ValidatorFn|null, public asyncValidator: AsyncValidatorFn|null) {}

/**
 * The parent control.
 */
get parent(): FormGroup|FormArray { return this._parent; }

/**
 * The validation status of the control. There are four possible status values:
 * **VALID**: This control has passed all validation checks.
 * **INVALID**: This control has failed at least one validation check.
 * **PENDING**: This control is in the midst of conducting a validation check.
 * **DISABLED**: This control is exempt from validation checks.
 */

/**
 * An object containing any errors generated by failing validation,
 * or null if there are no errors.
 */

/**
 * A control is `valid` when its `status` is `VALID`.
 */
get valid(): boolean { return this.status === VALID; }

/**
 * A control is `invalid` when
 * its `status` is `INVALID`.
 */
get invalid(): boolean { return this.status === INVALID; }

/**
 * A control is `pending` when its `status` is `PENDING`.
 */
get pending(): boolean { return this.status == PENDING; }

/**
 * A control is `disabled` when its `status` is `DISABLED`.
 */
get disabled(): boolean { return this.status === DISABLED; }

/**
 * A control is `pristine` if the user has not yet changed
 * the value in the UI.
 */
get pristine(): boolean { return this.value == null; }

/**
 * Programmatic changes to a control's
 * `value` don't affect the `valid`, `invalid`, `pending`, or `dirty` status.
 */
public set value(newValue: any): void {
  if (this.dirty) {
    // Ensure that the value is in sync with the UI.
    this._dirtyValue = newValue;
    this._pendingDirty = false;
    this._dirtyCollection = true;
    this._dirtyCollectionChange = ();
  }
}

/**
 * Updates the control's status.
 */
private updateStatus(): void {
  this.status = this._pendingStatus;
}

/**
 * A control is `dirty` when its `status` is `PENDING` and its `dirtyCollection` is `true`.
 */
get dirty(): boolean { return this._dirtyCollection; }

/**
 * Updates the control's `dirtyCollection`.
 */
private updateDirtyCollection(): void {
  this._dirtyCollectionChange = this._dirtyCollectionChange ?
    (this._dirtyCollectionChange) = (this._dirtyCollectionChange);
}

/**
 * A control is `pristine` if the user has not yet changed
 * the value in the UI.
 */
get pristine(): boolean { return this.value == null; }

/**
 * Programmatic changes to a control's
value do not mark it dirty.

```javascript
public readonly pristine: boolean = true;
```

A control is ‘dirty’ if the user has changed the value in the UI; compare ‘pristine’. Programmatic changes to a control’s value do not mark it dirty:

```javascript
get dirty(): boolean { return !this.pristine; }
```

True if the control is marked as ‘touched’.

A control is marked ‘touched’ once the user has triggered a ‘blur’ event on it.

```javascript
public readonly touched: boolean = false;
```

A multicasting observable that emits an event every time the value of the control changes, in the UI or programmatically. It also emits an event every time you call enable() or disable() without passing along `emitEvent: false` as a function argument.

```javascript
public readonly valueChanges!: Observable<any>;
```

A multicasting observable that emits an event every time the validation ‘status’ of the control recalculates.

```javascript
public readonly statusChanges!: Observable<any>;
```

Reports the update strategy of the `AbstractControl` (meaning the event on which the control updates itself). Possible values: ‘change’ | ‘blur’ | ‘submit’.

Default value: ‘change’

A control is `touched` if the user has changed the value in the UI.

```javascript
defaultAction: any
```

`false` if the control has not been marked as touched

A control is ‘untouched’ if the user has not yet triggered a ‘blur’ event on it.

A control is ‘dirty’ if the user has changed the value through the UI; compare ‘pristine’.

Programmatic changes to a control’s value do not mark it dirty.

```javascript
public readonly pristine: boolean = true;
```

A control is ‘dirty’ if the user has changed the value in the UI; compare ‘pristine’.

Programmatic changes to a control’s value do not mark it dirty.

```javascript
public readonly pristine: boolean = true;
```

A control is ‘dirty’ if the user has changed the value in the UI; compare ‘pristine’.

Programmatic changes to a control’s value do not mark it dirty.
Configuration options that determine how the control propagates changes and emits events after marking is applied. When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `onlySelf`: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is enabled. When false or not supplied, marks all direct ancestors. Default is false.

* `valueChanges": When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent": When true or not supplied (the default), the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is enabled. When false or not supplied, marks all direct ancestors. Default is false.
FormGroup({
   *   address: new FormGroup({ street: new FormControl() })
   * });
   * ```
   *
   * The path to the 'street' control from the root form would be 'address' -> 'street'.
   *
   * It can be provided to this method in one of two formats:
   *
   * 1. An array of string control names, e.g. `["address", "street"]`
   *
   * 1. A period-delimited list of control names in one string, e.g. `"address.street"`
   *
   * If the control or error is not present, null is returned.
   *
   * If the given path has the error specified, return error data for that particular error. If the control
   * or path is not present, null is returned.
   *
   * getError(errorCode: string, path?: Array<string|number>|string): any {
    * const control = path ? this.get(path) : this;
    * return control && control.errors ? control.errors[errorCode] : null;
   * ```
   *
   * The path to the 'street' control from the root form would be 'address' -> 'street'.
   *
   * It can be provided to this method in one of two formats:
   *
   * 1. An array of string control names, e.g. `["address", "street"]`
   *
   * 1. A period-delimited list of control names in one string, e.g. `"address.street"`
   *
   * If no path is given, this method checks for the error on the current control.
   *
   * hasError(errorCode: string, path?: Array<string|number>|string): boolean {
    * return !!this.getError(errorCode, path);
   * ```
   *
   * The path to the 'street' control from the root form would be 'address' -> 'street'.
   *
   * It can be provided to this method in one of two formats:
   *
   * 1. An array of string control names, e.g. `["address", "street"]`
   *
   * 1. A period-delimited list of control names in one string, e.g. `"address.street"`
   *
   * If no path is given, this method checks for the error on the current control.
   *
   * root(): AbstractControl {
    * let x: AbstractControl = this;
    * while (x._parent) {
      x = x._parent;
    }
    * return x;
   * ```
   *
   * The path to the 'street' control from the root form would be 'address' -> 'street'.
   *
   * It can be provided to this method in one of two formats:
   *
   * 1. An array of string control names, e.g. `["address", "street"]`
   *
   * 1. A period-delimited list of control names in one string, e.g. `"address.street"`
   *
   * If no path is given, this method checks for the error on the current control.
   *
   * _updateControlsErrors(emitEvent: boolean): void {
    * (this as{status: string}).status = this._calculateStatus();
    * if (emitEvent) {
      this.statusChanges.emit(this.status);
    }
    * ```
   *
   * The path to the 'street' control from the root form would be 'address' -> 'street'.
   *
   * It can be provided to this method in one of two formats:
   *
   * 1. An array of string control names, e.g. `["address", "street"]`
   *
   * 1. A period-delimited list of control names in one string, e.g. `"address.street"`
   *
   * If no path is given, this method checks for the error on the current control.
Angular forms, along with
* `FormGroup` and `FormArray`. It extends the `AbstractControl` class that implements most of the base functionality for accessing the value, validation status, user interactions and events.

```typescript
Angular forms, along with
* `FormGroup` and `FormArray`. It extends the `AbstractControl` class that
* implements most of the base functionality for accessing the value, validation status,
* user interactions and events.

```
this._onChange.forEach((changeFn) => changeFn(this.value, options.emitViewToModelChange !== false));

    this.updateValueAndValidity(options);

    this._clearChangeFns();

    this._forEachChild(cb);

    this._syncPendingControls();

    if (this.updateOn === 'submit') {
      if (this._pendingDirty) this.markAsDirty();
      if (this._pendingTouched) this.markAsTouched();
      if (this._pendingChange) {
        this.setValue(this._pendingValue, {onlySelf: true, emitModelToViewChange: false});
        return true;
      }
    }

    return false;
  }

  registerOnDisabledChange(fn: (isDisabled: boolean) => void): void {
    this._onDisabledChange.push(fn);
  }

  _clearChangeFns(): void {
    this._onChange = [];
    this._onDisabledChange = [];
    this._onCollectionChange = () => {};
  }

  _forEachChild(cb: Function): void {
  }
form = new FormGroup({
  password: new FormControl(''),
  passwordConfirm: new FormControl('')
}, {
  validators: [passwordMatchValidator],
  asyncValidators: [otherValidator]
});

```
form = new FormGroup({
  password: new FormControl(''),
  passwordConfirm: new FormControl('')
}, {
  validators: [passwordMatchValidator],
  asyncValidators: [otherValidator]
});

```
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```typescript
controls: AbstractControl[],
validatorOrOpts?: ValidatorFn|ValidatorFn[]|AbstractControlOptions|null,
asyncValidator?: AsyncValidatorFn|AsyncValidatorFn[]|null) { 
    super(
        coercetoValidator(validatorOrOpts),
        coercetoAsyncValidator(asyncValidator, validatorOrOpts));
}

this._initObservables();
this._setUpdateStrategy(validatorOrOpts);
this._setUpControls();

this.updateValueAndValidity((onlySelf: true, emitEvent: false));

this._onCollectionChange();

this.updateValueAndValidity();

this._registerControl(control);

this.updateValueAndValidity();

this.controls.push(control);
this._registerControl(control);
this.updateValueAndValidity();

this.controls.splice(index, 1);
this.updateValueAndValidity();

this._registerControl(control);

this.updateValueAndValidity();

get length(): number { return this.controls.length; }

setValue(value: any[], options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {
    this._checkAllValuesPresent(value);
    value.forEach((newValue, index) => {
        this.at(index).setValue(newValue, {onlySelf: true, emitEvent: options.emitEvent});
    });
    this.updateValueAndValidity(options);
}

this.controls.splice(index, 1, control);
this._registerControl(control);
this.updateValueAndValidity();
}
```
AbstractControl#updateValueAndValidity\n * updateValueAndValidity} method.\n */\n patchValue(value:
any[], options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {\n value.forEach((newValue: any, index:
number) => {\n
if (this.at(index)) {\n
this.at(index).patchValue(newValue, {onlySelf: true, emitEvent:
options.emitEvent});\n
}\n });\n this.updateValueAndValidity(options);\n }\n\n /**\n * Resets the
`FormArray` and all descendants are marked `pristine` and `untouched`, and the\n * value of all descendants to null
or null maps.\n *\n * You reset to a specific form state by passing in an array of states\n * that matches the
structure of the control. The state is a standalone value\n * or a form state object with both a value and a disabled
status.\n *\n * @usageNotes\n * ### Reset the values in a form array\n *\n * ```ts\n * const arr = new
FormArray([\n * new FormControl(),\n * new FormControl()\n * ]);\n * arr.reset(['name', 'last name']);\n
*\n * console.log(this.arr.value); // ['name', 'last name']\n * ```\n *\n * ### Reset the values in a form array and
the disabled status for the first control\n *\n * ```\n * this.arr.reset([\n * {value: 'name', disabled: true},\n *
'last'\n * ]);\n *\n * console.log(this.arr.value); // ['name', 'last name']\n * console.log(this.arr.get(0).status); //
'DISABLED'\n * ```\n *\n * @param value Array of values for the controls\n * @param options Configure
options that determine how the control propagates changes and\n * emits events after the value changes\n *\n * *
`onlySelf`: When true, each change only affects this control, and not its parent. Default\n * is false.\n * *
`emitEvent`: When true or not supplied (the default), both the `statusChanges` and\n * `valueChanges`\n *
observables emit events with the latest status and value when the control is reset.\n * When false, no events are
emitted.\n * The configuration options are passed to the {@link AbstractControl#updateValueAndValidity\n *
updateValueAndValidity} method.\n */\n reset(value: any = [], options: {onlySelf?: boolean, emitEvent?:
boolean} = {}): void {\n this._forEachChild((control: AbstractControl, index: number) => {\n
control.reset(value[index], {onlySelf: true, emitEvent: options.emitEvent});\n });\n
this._updatePristine(options);\n this._updateTouched(options);\n this.updateValueAndValidity(options);\n }\n\n
/**\n * The aggregate value of the array, including any disabled controls.\n *\n * Reports all values regardless of
disabled status.\n * For enabled controls only, the `value` property is the best way to get the value of the array.\n
*/\n getRawValue(): any[] {\n return this.controls.map((control: AbstractControl) => {\n
return control
instanceof FormControl ? control.value : (<any>control).getRawValue();\n });\n }\n\n /**\n * Remove all
controls in the `FormArray`.\n *\n * @usageNotes\n * ### Remove all elements from a FormArray\n *\n *
```ts\n * const arr = new FormArray([\n * new FormControl(),\n * new FormControl()\n * ]);\n *
console.log(arr.length); // 2\n *\n * arr.clear();\n * console.log(arr.length); // 0\n * ```\n *\n * It's a simpler
and more efficient alternative to removing all elements one by one:\n *\n * ```ts\n * const arr = new
FormArray([\n * new FormControl(),\n * new FormControl()\n * ]);\n *\n * while (arr.length) {\n *
arr.removeAt(0);\n * }\n * ```\n */\n clear(): void {\n if (this.controls.length < 1) return;\n
this._forEachChild((control: AbstractControl) => control._registerOnCollectionChange(() => {}));\n
this.controls.splice(0);\n this.updateValueAndValidity();\n }\n\n /** @internal */\n _syncPendingControls():
boolean {\n let subtreeUpdated = this.controls.reduce((updated: boolean, child: AbstractControl) => {\n
return
child._syncPendingControls() ? true : updated;\n }, false);\n if (subtreeUpdated)
this.updateValueAndValidity({onlySelf: true});\n return subtreeUpdated;\n }\n\n /** @internal */\n
_throwIfControlMissing(index: number): void {\n if (!this.controls.length) {\n
throw new Error(`\n
There
are no form controls registered with this array yet. If you're using ngModel,\n
you may want to check next tick
(e.g. use setTimeout).\n
`);\n }\n if (!this.at(index)) {\n
throw new Error(`Cannot find form control at
index ${index}`);\n }\n }\n\n /** @internal */\n _forEachChild(cb: Function): void {\n
this.controls.forEach((control: AbstractControl, index: number) => { cb(control, index); });\n }\n\n /** @internal
*/\n _updateValue(): void {\n (this as{value: any}).value =\n
this.controls.filter((control) => control.enabled
|| this.disabled)\n
.map((control) => control.value);\n }\n\n /** @internal */\n _anyControls(condition:
Function): boolean {\n return this.controls.some((control: AbstractControl) => control.enabled &&
condition(control));\n }\n\n /** @internal */\n _setUpControls(): void {\n this._forEachChild((control:
AbstractControl) => this._registerControl(control));\n }\n\n /** @internal */\n _checkAllValuesPresent(value:
any): void {\n this._forEachChild((control: AbstractControl, i: number) => {\n
if (value[i] === undefined) {\n

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throw new Error(`Must supply a value for form control at index: ${i}.`);
      }
    });
  }

  /** @internal */

  _allControlsDisabled(): boolean {
    for (const control of this.controls) {
      if (control.enabled) return false;
    }
    return this.controls.length > 0 || this.disabled;
  }

  _registerControl(control: AbstractControl) {
    control.setParent(this);
    control._registerOnCollectionChange(this._onCollectionChange);
  }
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

import {AfterViewInit, Directive, EventEmitter, Inject, Input, Optional, Self, forwardRef} from '@angular/core';

import {AbstractControl, FormControl, FormGroup, FormHooks} from '../model';
import {NG_ASYNC_VALIDATORS, NG_VALIDATORS} from '../validators';

import {ControlContainer} from './control_container';
import {Form} from './form_interface';
import {NgControl} from './ng_control';
import {NgModel} from './ng_model';
import {NgModelGroup} from './ng_model_group';
import {composeAsyncValidators, composeValidators, removeDir, setUpControl, setUpFormContainer, syncPendingControls} from './shared';

export const formDirectiveProvider: any = {
  provide: ControlContainer,
  useExisting: forwardRef(() => NgForm)
};

/**
 * @description
 * Creates a top-level `FormGroup` instance and binds it to a
 * form to track aggregate form value and validation status.
 *
 * As soon as you import the `FormsModule`, this
directive becomes active by default on
 * all `<form>` tags.  You don't need to add a special selector.
 * You
 * optionally export the directive into a local template variable using `ngForm` as the key (*ex:*

 * ```
 * #myForm="ngForm"
 * ```
 *
 * In template driven forms, all `<form>` tags are automatically tagged as `NgForm`.
 * To import the
 * `FormsModule` but skip its usage in some forms, for example, to use native HTML5 validation, add the
 * `ngNoForm` and the `<form>` tags won't create an `NgForm` directive.
 *
 * @usageNotes
 *
 * ### Listening for form submission
 *
 * The following example shows how to capture the form values from the "ngSubmit" event.
 *
 * ```html
 * <form 
 *   
 * </form>
 * ```
 *
 * @ngModule FormsModule
 *
 * @publicApi
 */

@Directive({
  selector: 'form:not([ngNoForm]):not([formGroup]),ng-form,[ngForm]',
  providers: [formDirectiveProvider],
  host: {'(submit)': 'onSubmit($event)', '(reset)': 'onReset()'},
  outputs: ['ngSubmit'],
  exportAs: 'ngForm'
})
export class NgForm extends ControlContainer implements Form, AfterViewInit {

  /**
   * @description
   * Returns whether the form submission has been triggered.
   */

  public readonly submitted: boolean = false;

  private _directives: NgModel[] = [];

  /**
   * @description
   * The `FormGroup` instance created for this form.
   */
  form: FormGroup;

  /**
   * @description
   * Event emitter for the "ngSubmit" event.
   */
  ngSubmit = new EventEmitter();

  /**
   * @description
   * Tracks options for the `NgForm` instance.
   */
  // TODO(issue/24571): remove '!'.


```typescript
@Input('ngFormOptions') options!: { [updateOn?: FormHooks];
    constructor(@Optional() @Self() @Inject(NG_VALIDATORS) validators: any[],
        @Optional() @Self() @Inject(NG_ASYNC_VALIDATORS)
            asyncValidators: any[])
    this.form = new FormGroup({}, composeValidators(validators),
        composeAsyncValidators(asyncValidators));
  }

  constructor(
      @Optional() @Self() @Inject(NG_VALIDATORS) validators: any[][],
      @Optional() @Self() @Inject(NG_ASYNC_VALIDATORS)
        asyncValidators: any[][])
  this.form = new FormGroup({}, composeValidators(validators),
      composeAsyncValidators(asyncValidators));

  /**
   * @description
   * Lifecycle method called after the view is initialized. For internal use only.
   */
  ngAfterViewInit() { this._setUpdateStrategy(); }

  /**
   * @description
   * The directive instance.
   */
  get formDirective(): Form { return this; }

  /**
   * @description
   * The internal `FormGroup` instance.
   */
  get control(): FormGroup { return this.form; }

  /**
   * @description
   * Returns an array representing the path to this group. Because this directive
   * always lives at the top level of a form, it is always an empty array.
   */
  get path(): string[] { return []; }

  /**
   * @description
   * Returns a map of the controls in this group.
   */
  get controls(): { [key: string]: AbstractControl } { return this.form.controls; }

  /**
   * @description
   * Method that sets up the control
   * directive in this group, re-calculates its value
   * and validity, and adds the instance to the internal list of
   * directives.
   */
  addControl(dir: NgModel): void {
    resolvedPromise.then(() => {
      const container = this._findContainer(dir.path);
      (dir as{control:
          FormControl}).control =
          <FormControl>container.registerControl(dir.name, dir.control);
      setUpControl(dir.control, dir);
      dir.control.updateValueAndValidity({emitEvent: false});
      this._directives.push(dir);
    });
  }

  /**
   * @description
   * Retrieves the `FormControl` instance from the
   * provided `NgModel` directive.
   */
  getControl(dir: NgModel): FormControl { return <FormControl>this.form.get(dir.path); }

  /**
   * @description
   * Removes the `NgModel` instance from the internal list of directives
   * @param dir The `NgModel` directive instance.
   */
  removeControl(dir: NgModel): void {
    resolvedPromise.then(() => {
      const container = this._findContainer(dir.path);
      if (container) {
        container.removeControl(dir.name);
        removeDir<NgModel>(this._directives, dir);
      }
    });
  }

  /**
   * @description
   * Adds a new `NgModelGroup` directive instance to the form.
   */
  addFormGroup(dir: NgModelGroup): void {
    resolvedPromise.then(() => {
      const container = this._findContainer(dir.path);
      const group = new FormGroup({});
      setUpFormContainer(group, dir);
      container.registerControl(dir.name, group);
      group.updateValueAndValidity({emitEvent: false});
    });
  }

  /**
   * @description
   * Removes the `NgModelGroup` directive instance from the form.
   */
  removeFormGroup(dir: NgModelGroup): void {
    resolvedPromise.then(() => {
      const container = this._findContainer(dir.path);
      if (container) {
        container.removeControl(dir.name);
        removeDir<NgModelGroup>(this._directives, dir);
      }
    });
  }

  /**
   * @description
   * Retrieves the `FormGroup`
   * for a provided `NgModelGroup` directive instance.
   */
  getFormGroup(dir: NgModelGroup): FormGroup { return <FormGroup>this.form.get(dir.path); }

  /**
   * @description
   * Sets the new value for the provided `NgControl` directive.
   */
  updateModel(dir: NgControl, value: any): void {
    resolvedPromise.then(() => {
      const ctrl = <FormControl>this.form.get(dir.path !);
      ctrl.setValue(value);
    });
  }

  /**
   * @description
   * Method called when the "submit" event is triggered on the form.
   */
  onSubmit($event: Event): boolean {
    (this as{submitted: boolean}).submitted = true;
    syncPendingControls(this.form, this._directives);
    this.ngSubmit.emit($event);
    return false;
  }

  /**
   * @description
   * Method called when the "reset" event is triggered on the form.
   */
  onReset(): void {
    this.resetForm();
  }

  /**
   * @description
   * Resets the form to an initial value and resets its submitted
   * status.
   */
  resetForm(value: any = undefined): void {
    this.form.reset(value);
    (this as{submitted: boolean}).submitted = false;
    (this.options & & this.options.updateOn != null) {
      this.form.updateOn = this.options.updateOn;
      this.form.setValue(value);
      this.form.resetForm(value: any = undefined);
    }
  }
```

---

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import { NG_ASYNC_VALIDATORS, NG_VALIDATORS } from './validators';

import { AbstractFormGroupDirective } from './abstract_form_group_directive';
import { ControlContainer } from './control_container';
import { NgForm } from './ng_form';
import { TemplateDrivenErrors } from './template_driven_errors';

export const modelGroupProvider: any = {
  provide: ControlContainer,
  useExisting: forwardRef(() => NgModelGroup)
};

/**
 * @description
 * Creates and binds a `FormGroup` instance to a DOM element.
 * This directive can only be used as a child of `NgForm` (within `form` tags).
 * Use this directive to validate a sub-group of your form separately from the
 * rest of your form, or if some values in your domain model make more sense
 * to consume together in a nested object.
 * Provide a name for the sub-group and it will become the key
 * for the sub-group in the form's full value. If you need direct access,
 * export the directive into a local template variable using `NgModelGroup` (ex:
 * `#myGroup="ngModelGroup"`).
 * The following example shows you how to combine controls together in a sub-group
 * of the form.
 *
 * @usageNotes
 *
 * ### Consuming controls in a grouping
 *
 * The following example shows you how to combine controls together in a sub-group
 * of the form.
 *
 * ```
 * `<div>{{myModel.valid}}</div>
 * <input [(ngModel)]="myValue" #myModel="ngModel">
 * ```
 * I.e. `ngModel` can export itself on the element and then be used in the template.
 * Normally, this would result in expressions before the `input` that use the
 * exported directive
 * to have old values as they have been dirty
 * checked before. As this is a very common case for `ngModel`, we added this second
 * change detection run.
 *
 * Notes:
 * - this is just one extra run no matter how many `ngModel`
 *   have been changed.
 * - this is a general problem when using `exportAs` for directives
 *   without a const resolvedPromise = () =>
 * Promise.resolve(null)();
 * @description
 * Creates a `FormControl` instance from a domain model and
 * binds it
 * to a form control element.
 * The `FormControl` instance tracks the value, user interaction, and
 * validation status of the control and keeps the view synced with the model.
 * If used
 * within a parent form, the directive also registers itself with the form
 * as a child
 * control.
 * This directive is used by itself or as part of a larger form.
 * Use the `ngModel` selector to activate it.
 * It accepts a domain model as an optional `Input`.
 * If you have a one-way binding to `ngModel` with `[]` syntax, changing the value of the domain model in the
class sets the value in the view. If you have a two-way binding with `[()]{` syntax\n* (also known as 'banana-box syntax'), the value in the UI always syncs back to\n* the domain model in your class.\n* To inspect the properties of the associated `FormControl` (like validity state),\n* export the directive into a local\ntemplate variable using `ngModel` as the key (ex: `#myVar="\ngnModel()"`).\n* You then access the control using\nthe directive's 'control' property,\n* but most properties used (like 'valid' and 'dirty') fall through to the control\nanyway for direct access.\n* See a full list of properties directly available in `AbstractControlDirective`.\n* @see `RadioControlValueAccessor`\n* @see `SelectControlValueAccessor`\n* @usageNotes\n* Using ngModel on a standalone control\n* The following examples show a simple standalone control using\n`ngModel`:\n* When using the 'ngModel' within `form` tags, you'll also need to supply a `name` attribute\n* so that the control can be registered with the parent form under that name.\n* In the context of a parent form, it's often\nunnecessary to include one-way or two-way binding,\n* as the parent form syncs the value for you. You access its\nproperties by exporting it into a `local template variable using `ngForm` such as (`#f="\ngForm()"`). Use the\nvariable where\n* needed on form submission.\n* If you do need to populate initial values into your form,\nusing a one-way binding for\n`ngModel` tends to be sufficient as long as you use the exported form's value\nrather than the domain model's value on submit.\n* Using ngModel within a form\n* The following example shows controls using `ngModel` within a `form`:\n* @example\n* forms/ts/simpleNgModel/simple_ng_model_example.ts region='Component'\n*\n* ### Using ngModel on a standalone control\n*\n* The following example shows how to use a standalone ngModel control\n* within a form. This controls the display of the form, but doesn't contain form\ndata.\n* If you need to use one-way or two-way binding,\n* access the control using\nthe directive's 'control' property,\n* but most properties used (like 'valid' and 'dirty') fall through to the control\nanyway for direct access.\n* See a full list of properties directly available in `AbstractControlDirective`.\n* @see `RadioControlValueAccessor`\n* @see `SelectControlValueAccessor`\n*\n* @usageNotes\n*\n* ### Using ngModel on a form\n*\n* The following example shows controls using `ngModel` within a `form`:\n* @example\n* forms/ts/simpleForm/simple_form_example.ts region='Component'\n*\n* ### Setting the name attribute\n*\n* The following example shows how to set the name attribute. The parent form\n* uses this name as a key to retrieve\nthis control's value.\n* @example\n*\n* ---\n*\n* ### Exporting class\n*\n* The following example shows how to export the class\n*\n* In this example, we use the `ngModel` as a\n* standalone control.\n*\n* When set to true, the 'ngModel' will not register itself with its parent\nform, and acts as if it's not in the form. Defaults to false.\n* An alternative to setting the name attribute on the form control element.\n* See\n* the [example](api/forms/NgModel#using-ngmodel-on-a-standalone-control) for using 'ngModel' as a\n* standalone control.\n* **standalone**: When set to true, the 'ngModel' will not register itself with its parent\nform, and acts as if it's not in the form. Defaults to false.\n*}
changes['isDisabled'].currentValue;\n
const isDisabled =\n  disabledValue !== 'false';\n
resolvedPromise.then(() => {\n  if (isDisabled\n    & & !this.control.disabled) {\n    this.control.disable();\n  } else if (isDisabled & &\n    this.control.disabled) {\n    this.control.enable();\n  } else if (isDisabled & &
    !this.control.disabled) {\n  } } else if (isDisabled & &
    !this.control.disabled) {\n    this.control.enable();\n  }\n
const isDisabled =
  disabledValue === '' ||\n  (disabledValue && disabledValue !== 'false');\n
resolvedPromise.then(() => {\n  if (isDisabled & &
    !this.control.disabled) {\n    this.control.disable();\n  } else if (isDisabled & &
    this.control.disabled) {\n    this.control.enable();\n  } else if (isDisabled & &
    !this.control.disabled) {\n    this.control.enable();\n  }\n
/**
 * @license
 * Copyright Google Inc. All Rights Reserved.\n * Use of this source code is governed by an MIT-style license that can be \n * found in the LICENSE file at https://angular.io/license
 */

import {Directive} from '@angular/core';

/**
 * @description
 *
 * Adds `novalidate` attribute to all forms by default.\n * `novalidate` is used to disable browser's native form validation.\n * If you want to use native validation with Angular forms, just add `ngNativeValid`ate\n * attribute:\n *
 * ```ts
 * @Input()
 * ngNativeValidate: boolean = false;
 * ```
 *
 * @publicApi
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 */
@Directive({
  selector: 'form:not([ngNoForm]):not([ngNativeValidate])',
  host: {'novalidate': ''},
})
export class ɵNgNoValidate {
}

export {ɵNgNoValidate as NgNoValidate};

/**
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 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

import {Directive, EventEmitter, Inject, InjectionToken, Input, OnChanges, Optional, Output, Self, SimpleChanges, forwardRef} from '@angular/core';

import {FormControl} from '../../model';
import {NG_ASYNC_VALIDATORS, NG_VALIDATORS} from '../../validators';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from '../control_value_accessor';
import {NgControl} from '../ng_control';
import {ReactiveErrors} from '../reactive_errors';
import {_ngModelWarning, composeAsyncValidators, composeValidators, isPropertyUpdated, selectValueAccessor, setUpControl} from '../shared';
import {AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn} from '../validators';

/**
 * @description
 * * Syncs a standalone `FormControl` instance to a form control element.\n * 
 * @see 
 * the Angular Form Model\n * @see 
 * formControl\n * 
 * The following examples shows how to register a standalone control and set its value:\n * \n * ```ts
 * this.value = 'some value';
 * ```
 *
 * This has been deprecated for a few reasons. First, developers have found\n * this pattern confusing. It seems like the actual `ngModel` directive is being used, but in fact it\n * \n * an input/output property named `ngModel` on the reactive form directive that simply\n * approximates (some of) its behavior. Specifically, it allows getting/set\n

`never`));

```typescript

export class FormControlDirective extends NgControl implements OnChanges {
  /**
   * @description
   * Internal reference to the view model value.
   */
  viewModel: any;

  /**
   * @description
   * Tracks the 'FormControl' instance bound to the directive.
   */
  viewModel: any;

  ```
```
OnChanges, Optional, Output, Self, SimpleChanges, forwardRef} from '@angular/core';\nimport {FormArray,
FormControl, FormGroup} from '../../model';\nimport {NG_ASYNC_VALIDATORS, NG_VALIDATORS,
Validators} from '../../validators';\nimport {ControlContainer} from '../control_container';\nimport {Form} from
'../form_interface';\nimport {ReactiveErrors} from '../reactive_errors';\nimport {cleanUpControl,
composeAsyncValidators, composeValidators, removeDir, setUpControl, setUpFormContainer,
syncPendingControls} from '../shared';\n\nimport {FormControlName} from './form_control_name';\nimport
{FormArrayName, FormGroupName} from './form_group_name';\n\nexport const formDirectiveProvider: any = {\n
provide: ControlContainer,\n useExisting: forwardRef(() => FormGroupDirective)\n};\n\n/**\n * @description\n
*\n * Binds an existing `FormGroup` to a DOM element.\n *\n * This directive accepts an existing `FormGroup`
instance. It will then use this\n * `FormGroup` instance to match any child `FormControl`, `FormGroup`,\n * and
`FormArray` instances to child `FormControlName`, `FormGroupName`,\n * and `FormArrayName` directives.\n *
\n * @see [Reactive Forms Guide](guide/reactive-forms)\n * @see `AbstractControl`\n *\n * ### Register Form
Group\n *\n * The following example registers a `FormGroup` with first name and last name controls,\n * and
listens for the *ngSubmit* event when the button is clicked.\n *\n * {@example
forms/ts/simpleFormGroup/simple_form_group_example.ts region='Component'}\n *\n * @ngModule
ReactiveFormsModule\n * @publicApi\n */\n@Directive({\n selector: '[formGroup]',\n providers:
[formDirectiveProvider],\n host: {'(submit)': 'onSubmit($event)', '(reset)': 'onReset()'},\n exportAs:
'ngForm'\n})\nexport class FormGroupDirective extends ControlContainer implements Form,\n OnChanges {\n
/**\n * @description\n * Reports whether the form submission has been triggered.\n */\n public readonly
submitted: boolean = false;\n\n // TODO(issue/24571): remove '!'.\n private _oldForm !: FormGroup;\n\n /**\n *
@description\n * Tracks the list of added `FormControlName` instances\n */\n directives: FormControlName[] =
[];\n\n /**\n * @description\n * Tracks the `FormGroup` bound to this directive.\n */\n @Input('formGroup')
form: FormGroup = null !;\n\n /**\n * @description\n * Emits an event when the form submission has been
triggered.\n */\n @Output() ngSubmit = new EventEmitter();\n\n constructor(\n
@Optional() @Self()
@Inject(NG_VALIDATORS) private _validators: any[],\n
@Optional() @Self()
@Inject(NG_ASYNC_VALIDATORS) private _asyncValidators: any[]) {\n super();\n }\n\n /**\n *
@description\n * A lifecycle method called when the directive's inputs change. For internal use only.\n *\n *
@param changes A object of key/value pairs for the set of changed inputs.\n */\n ngOnChanges(changes:
SimpleChanges): void {\n this._checkFormPresent();\n if (changes.hasOwnProperty('form')) {\n
this._updateValidators();\n
this._updateDomValue();\n
this._updateRegistrations();\n }\n }\n\n /**\n *
@description\n * Returns this directive's instance.\n */\n get formDirective(): Form { return this; }\n\n /**\n *
@description\n * Returns the `FormGroup` bound to this directive.\n */\n get control(): FormGroup { return
this.form; }\n\n /**\n * @description\n * Returns an array representing the path to this group. Because this
directive\n * always lives at the top level of a form, it always an empty array.\n */\n get path(): string[] { return
[]; }\n\n /**\n * @description\n * Method that sets up the control directive in this group, re-calculates its value\n
* and validity, and adds the instance to the internal list of directives.\n *\n * @param dir The `FormControlName`
directive instance.\n */\n addControl(dir: FormControlName): FormControl {\n const ctrl: any =
this.form.get(dir.path);\n setUpControl(ctrl, dir);\n ctrl.updateValueAndValidity({emitEvent: false});\n
this.directives.push(dir);\n return ctrl;\n }\n\n /**\n * @description\n * Retrieves the `FormControl` instance
from the provided `FormControlName` directive\n *\n * @param dir The `FormControlName` directive
instance.\n */\n getControl(dir: FormControlName): FormControl { return <FormControl>this.form.get(dir.path);
}\n\n /**\n * @description\n * Removes the `FormControlName` instance from the internal list of directives\n
*\n * @param dir The `FormControlName` directive instance.\n */\n removeControl(dir: FormControlName):
void { removeDir<FormControlName>(this.directives, dir); }\n\n /**\n * Adds a new `FormGroupName`
directive instance to the form.\n *\n * @param dir The `FormGroupName` directive instance.\n */\n
addFormGroup(dir: FormGroupName): void {\n const ctrl: any = this.form.get(dir.path);\n
setUpFormContainer(ctrl, dir);\n ctrl.updateValueAndValidity({emitEvent: false});\n }\n\n /**\n * No-op
method to remove the form group.\n *\n * @param dir The `FormGroupName` directive instance.\n */\n

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`FormGroup`

```ts
this.form.get('name');
```

### Access individual controls in the group

The following example uses the `@link AbstractControl#get` method to access individual controls within the group using dot syntax.

```ts
this.form.get('name.first');
```

### Register a nested `FormGroup`

The following example registers a nested `FormGroup` within an existing `FormGroup` and provides methods to retrieve the nested `FormGroup` and individual controls.

```ts
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```

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The following example registers a nested `FormGroup` within an existing `FormGroup`, and provides methods to retrieve the nested `FormGroup` and individual controls.

```ts
this.form.get('name.first');
```
Synchronous validator function composed of all the synchronous validators registered with this directive.

```
get validator(): ValidatorFn|null { return composeValidators(this._validators); }
```

Async validator function composed of all the async validators registered with this directive.

```
get asyncValidator(): AsyncValidatorFn|null { return composeAsyncValidators(this._asyncValidators); }
```

```
private _checkParentType(): void {
    if (_hasInvalidParent(this._parent)) {
        ReactiveErrors.arrayParentException();
    }
}
```

```
function _hasInvalidParent(parent: ControlContainer): boolean {
    return !(parent instanceof FormGroupName) && !(parent instanceof FormGroupDirective) &&
    !(parent instanceof FormArrayName);
}
```

```typescript
import {Directive, EventEmitter, Host, Inject, Input, OnChanges, OnDestroy, Optional, Output, Self, SimpleChanges, SkipSelf, forwardRef} from '@angular/core';

import {FormControl} from '../../model';
import {NG_ASYNC_VALIDATORS, NG_VALIDATORS} from '../../validators';
import {AbstractFormGroupDirective} from '../abstract_form_group_directive';
import {ControlContainer} from '../control_container';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from '../control_value_accessor';
import {NgControl} from '../ng_control';
import {ReactiveErrors} from '../reactive_errors';
import {_ngModelWarning, composeAsyncValidators, composeValidators, controlPath, isPropertyUpdated, selectValueAccessor} from '../shared';
import {AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn} from '../validators';

import {NG_MODEL_WITH_FORM_CONTROL_WARNING} from './form_control_directive';
import {FormGroupDirective} from './form_group_directive';
import {FormArrayName, FormGroupName} from './form_group_name';

export const controlNameBinding: any = {
    provide: NgControl,
    useExisting: forwardRef(() => FormControlName)
};
```

```
/**
 * @description
 * Syncs a `FormControl` in an existing `FormGroup` to a form control
 * element by name.
 * 
 * @see [Reactive Forms Guide](guide/reactive-forms)
 * @see `FormControl`
 * @see `AbstractControl`
 *
 * @usageNotes
 * 
 * ### Register `FormControl` within a group
 *
 * The following example shows how to register multiple form controls within a form group
 * and set their value.
 *
 * ```
 * formControlName="first" 
 * ```
 *
 * ```
 * this.form.get('first').setValue('some value');
 * ```
 *
 * By default, when you use this pattern, you will see a deprecation warning once in dev
 * mode. You can choose to silence this warning by providing a config for
 * `ReactiveFormsModule` at import time:
 *
 * ```
 * imports:
 * ```
 ```

---

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```typescript

// * ReactiveFormsModule.withConfig({warnOnNgModelWithFormControl: 'never'})

Alternatively, you can choose to surface a separate warning for each instance of this
* pattern with a config value of `\"always\"`. This may help to track down where in the code
* the pattern is being used as the code is being updated.

* @ngModule ReactiveFormsModule

* @publicApi

* @Directive({selector:
  \[formControlName\], providers: [controlNameBinding]})

export class FormControlName extends NgControl

implements OnInit, OnDestroy {

  private _added = false;

  /**
   * @description
   * Internal reference to
   * the view model value.
   *
   * @internal
   */

  viewModel: any;

  /**
   * @description
   * Tracks the
   * `FormControl` instance bound to the directive.
   *
   * @Todo(issue/24571): remove this.
   */

  formControl!: FormControl;

  /**
   * @description
   * The name of the `FormControl` bound to the directive. The
   * name in the form of a string is useful for individual forms,
   */

  @Input('formControlName') name: string | number | null;

  /**
   * Triggers a warning that this input should not be used with reactive forms.
   */

  @Input('disabled')

  set isDisabled(isDisabled: boolean) { ReactiveErrors.disabledAttrWarning(); }

  /**
   * A lifecycle method called when the directive's inputs change.
   * For internal use only.
   *
   * @param changes A object of key/value pairs for the set of changed inputs.
   */

  ngOnChanges(changes: SimpleChanges) {
    if (!this._added) this._setUpControl();
    if (isPropertyUpdated(changes, this.viewModel)) {
      _ngModelWarning('formControlName', FormControlName, this, this._ngModelWarningConfig);
      this.viewModel = this.model;
      this.formDirective.updateModel(this, this.model);
    }
  }

  /**
   * Lifecycle method called after the directive's instance is
   * destroyed. For internal use only.
   */

  ngOnDestroy(): void {
    if (this.formDirective) {
      this.formDirective.removeControl(this);
    }
  }

  /**
   * Returns an array that represents the path from the
   * top-level form to this control.
   * Each index is the string name of the control on that level.
   *
   * @returns an array that represents the path from the
   * top-level form to this control.
   * @event
   */

  get path(): string[] {
    return controlPath(this.name == null ? this.name : this.name.toString(), this._parent);
  }

  /**
   * The top-level directive for this group if present, otherwise null.
   */

  get formDirective(): any { return this._parent.formDirective; }

  /**
   * Synchronous
   * validator function composed of all the synchronous validators
   * registered with this directive.
   */

  get validator(): ValidatorFn|

  /**
   * Async validator function composed of all the async validators registered with this
   * directive.
   */

  get asyncValidator(): AsyncValidatorFn {
    return composeAsyncValidators(this.this_rawAsyncValidators);
  }
```
private _checkParentType(): void {
    if (!(this._parent instanceof FormGroupName) &&
        !(this._parent instanceof FormArrayName)) {
      ReactiveErrors.ngModelGroupException();
    } else if (this._parent instanceof AbstractFormGroupDirective) {
      ReactiveErrors.controlParentException();
    } else if (!this._parent instanceof AbstractFormGroupDirective &&
        !(this._parent instanceof FormGroupName) && !this._parent instanceof FormArrayName) {
      ReactiveErrors.formDirectiveAddException();
    }
  }

  private _setUpControl() {
    this._checkParentType();
    (this as{control: FormControl}).control =
      this.formDirective.addControl(this);
    if (this.control.disabled &&
        this.valueAccessor !== null)
        this.valueAccessor!.setDisabledState!(true);
  }
}

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 *
 * Use of this source code is governed by an MIT-style license that
 * can be found in the LICENSE file at https://angular.io/license
 */

import {Directive, Input, OnChanges, SimpleChanges, StaticProvider, forwardRef} from '@angular/core';
import {Observable} from 'rxjs';

import {AbstractControl} from '../model';
import {NG_VALIDATORS, Validators} from '../validators';

/**
 * @description
 * Defines the map of errors returned from failed validation checks.
 *
 * @publicApi
 */
export type ValidationErrors = {
  [key: string]: any
};

/**
 * @description
 * An interface implemented by classes that perform synchronous validation.
 *
 * @usageNotes
 *
 * ### Provide a custom validator
 *
 * The following example implements the `Validator` interface to create a
 * validator directive with a custom error key.
 *
 * ```typescript
 * @Directive({
 *   selector: '[customValidator]',
 *   providers: [{provide: NG_VALIDATORS, useExisting: CustomValidatorDirective, multi: true}]
 * })
 * class CustomValidatorDirective implements Validator {
 *   validate(control: AbstractControl): ValidationErrors|null {
 *     return {'custom': true};
 *   }
 * }
 * ```
 *
 * @publicApi
 */
export interface Validator {
  /**
   * @description
   * Method that performs synchronous validation against the provided control.
   *
   * @param control The control to validate against.
   *
   * @returns A map of validation errors if validation fails, otherwise null.
   */
  validate(control: AbstractControl): ValidationErrors|null;

  /**
   * @description
   *
   * Registers a callback function to call when the validator inputs change.
   *
   * @param fn The callback function
   */
  registerOnValidatorChange?(fn: () => void): void;
}

/**
 * @description
 * An interface implemented by classes that perform asynchronous validation.
 *
 * @usageNotes
 *
 * ### Provide a custom async validator directive
 *
 * The following example implements the `AsyncValidator` interface to create an
 * async validator directive with a custom error key.
 *
 * ```typescript
 * @Directive({
 *   selector: '[customAsyncValidator]',
 *   providers: [{provide: NG_ASYNC_VALIDATORS, useExisting: CustomAsyncValidatorDirective, multi: true}]
 * })
 * class CustomAsyncValidatorDirective implements AsyncValidator {
 *   validate(control: AbstractControl): Observable<ValidationErrors|null> {
 *     return observableOf({'custom': true});
 *   }
 * }
 * ```
 *
 * @publicApi
 */
export interface AsyncValidator extends Validator {
  /**
   * @description
   * Method that performs async validation against the provided control.
   *
   * @param control The control to validate against.
   *
   * @returns A promise or observable that
   * resolves a map of validation errors
   * if validation fails, otherwise null.
   */
  validate(control: AbstractControl): Promise<ValidationErrors|null>|Observable<ValidationErrors|null>;
}

/**
 * @description
 * A directive that
 * adds `RequiredValidator` to any controls marked with the `required` attribute.
 * The directive is provided with the `NG_VALIDATORS` multi-provider list.
 *
 * @ngModule FormsModule
 * @ngModule ReactiveFormsModule
 * @publicApi
 */
@Directive({
  selector: ':not([type=checkbox])[required][formControlName],:not([type=checkbox])[required][formControl],:not([type=checkbox])[required][ngModel]
})
export class RequiredValidator {
  static ngModelOptions: RequiredValidatorOptions = {
    hasSelfReferentialChanges: true
  }

  static ngStyle: string = "{required: true}"

  // ---
  // code
  // ---

  // ---
  // end code
  // ---
null')

export class RequiredValidator implements Validator {
  private _required : boolean;
  @Input() set required(value: boolean) {
    this._required = value != null && value !== false && `${value}` !== 'false';
    if (this._onChange) this._onChange();
  }

  validate(control: AbstractControl): ValidationErrors|null {
    return this.required ? Validators.required(control) : null;
  }

  registerOnValidatorChange(fn: () => void) {
    this._onChange = fn;
  }
}

export class CheckboxRequiredValidator extends RequiredValidator {
  validate(control: AbstractControl): ValidationErrors|null {
    return this.required ? Validators.requiredTrue(control) : null;
  }
}

interface ValidatorFn { (control: AbstractControl): ValidationErrors|null; }

interface AsyncValidatorFn {
  (control: AbstractControl): Promise<ValidationErrors|null>|Observable<ValidationErrors|null>;
}

const EMAIL_VALIDATOR: any = { provide: NG_VALIDATORS, useExisting: forwardRef(() => EmailValidator), multi: true };

export const EMAIL_VALIDATOR: any = { provide: NG_VALIDATORS, useExisting: forwardRef(() => EmailValidator), multi: true };

export const EMAIL_VALIDATOR: any = { provide: NG_VALIDATORS, useExisting: forwardRef(() => EmailValidator), multi: true };

export const EMAIL_VALIDATOR: any = { provide: NG_VALIDATORS, useExisting: forwardRef(() => EmailValidator), multi: true };

export const EMAIL_VALIDATOR: any = { provide: NG_VALIDATORS, useExisting: forwardRef(() => EmailValidator), multi: true };

export const EMAIL_VALIDATOR: any = { provide: NG_VALIDATORS, useExisting: forwardRef(() => EmailValidator), multi: true };

export class EmailValidator implements Validator {
  private _enabled : boolean;
  @Input() set email(value: boolean|string) {
    this._enabled = value === '' || value === true || value === 'true';
    if (this._onChange) this._onChange();
  }

  validate(control: AbstractControl): ValidationErrors|null {
    return this._enabled ? Validators.email(control) : null;
  }

  registerOnValidatorChange(fn: () => void) {
    this._onChange = fn;
  }
}

export interface ValidatorFn { (control: AbstractControl): ValidationErrors|null; }

export interface AsyncValidatorFn {
  (control: AbstractControl): Promise<ValidationErrors|null>|Observable<ValidationErrors|null>;
}

null
MIN_LENGTH_VALIDATOR: any = {
  provide: NG_VALIDATORS,
  useExisting: forwardRef(() =>
    MinLengthValidator),
  multi: true
};

/**
 * A directive that adds minimum length validation to controls
 * marked with the 'minlength' attribute. The directive is provided
 * with the 'NG_VALIDATORS' multi-provider list.
 *
 * The following example shows how to add a minimum length validator
 * to an input attached
to an
* ngModel binding:

* @ngModule ReactiveFormsModule
* @ngModule FormsModule
* @publicApi
* @Directive
* 
* providers:
[
  MIN_LENGTH_VALIDATOR,
  OnChanges {
    return "!",
  }
]
useExisting: forwardRef(() => PatternValidator),
  multi: true
};


/**
 * @description
 * A directive that adds regex pattern validation to controls marked with the
 * `pattern` attribute. The regex must match the entire
 * control value. The directive is provided with the `NG_VALIDATORS` multi-provider list.
 * @see [Form
 Validation](guide/form-validation)
 */

@Directive({
  selector: '[pattern][formControlName],[pattern][formControl],[pattern][ngModel],
     providers: [PATTERN_VALIDATOR],
     host: {'[attr.pattern]': 'pattern ? pattern : null'}
})
export class PatternValidator
    implements Validator,
    OnChanges {
    // TODO(issue/24571): remove '!'.
    private _validator !: ValidatorFn;
    // TODO(issue/24571): remove '!'.
    private _onChange !: () => void;

    /**
     * @description
     * Tracks changes to the pattern bound to this directive.
     */
    // TODO(issue/24571): remove '!'.
    @Input() pattern !:

    /**
     * @description
     * A lifecycle method called when the directive's inputs change. For
     * internal use only.
     * @param changes A object of key/value pairs for the set of changed inputs.
     */
    ngOnChanges(changes: SimpleChanges): void {
      if ('pattern' in changes) {
        this._createValidator();
        if (this._onChange) this._onChange();
      }
    }

    /**
     * @description
     * Method that validates whether the
     * value matches the pattern requirement.
     */
    validate(control: AbstractControl): ValidationErrors|null {
      return this._validator(control); }

    /**
     * @description
     * Registers a callback function to call when the
     * validator inputs change.
     *
     * @param fn The callback function
     */
    registerOnValidatorChange(fn: () => void): void {
      this._onChange = fn; }

    private _createValidator(): void { this._validator =
      Validators.pattern(this.pattern); }

    /**
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     * Use of this source code is governed by an MIT-style license that can be
     * found in the LICENSE file at https://angular.io/license
     */

    import {NgModule, Type} from '@angular/core';

    import {CheckboxControlValueAccessor} from './directives/checkbox_value_accessor';
    import {DefaultValueAccessor} from './directives/default_value_accessor';
    import {NgControlStatus, NgControlStatusGroup} from './directives/ng_control_status';
    import {NgModel} from './directives/ng_model';
    import {NgModelGroup} from './directives/ng_model_group';
    import {NgNoValidate} from './directives/ng_no_validate_directive';
    import {NumberValueAccessor} from './directives/number_value_accessor';
    import {RadioControlValueAccessor} from './directives/radio_control_value_accessor';
    import {RangeValueAccessor} from './directives/range_value_accessor';
    import {FormControlDirective} from './directives/reactive_directives/form_control_directive';
    import {NG_MODEL_WITH_FORM_CONTROL_WARNING} from Open Source Used In MSX SD-WAN Service Pack 3.9.0 124

'directives/reactive_directives/form_control_directive';
export {FormControlName} from ./directives/reactive_directives/form_control_name';
export {FormGroupDirective} from ./directives/reactive_directives/form_group_directive';
export {FormArrayName, FormGroupName} from './directives/reactive_directives/form_group_name';
export {NgSelectOption, SelectControlValueAccessor} from './directives/select_control_value_accessor';
export {NgSelectMultipleOption, SelectMultipleControlValueAccessor} from './directives/select_multiple_control_value_accessor';

export const SHARED_FORM_DIRECTIVES: Type<any>[] = [
  NgNoValidate,
  NgSelectOption,
  NgSelectMultipleOption,
  DefaultValueAccessor,
  NumberValueAccessor,
  RangeValueAccessor,
  CheckboxControlValueAccessor,
  SelectControlValueAccessor,
  SelectMultipleControlValueAccessor,
  RadioControlValueAccessor,
  NgControlStatus,
  NgControlStatusGroup,
  RequiredValidator,
  MinLengthValidator,
  MaxLengthValidator,
  PatternValidator,
  CheckboxRequiredValidator,
  EmailValidator,
];

export const TEMPLATE_DRIVEN_DIRECTIVES: Type<any>[] = [
  NgModel,
  NgModelGroup,
  NgForm,
];

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 *
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 */

import {Injectable} from '@angular/core';

import {AsyncValidatorFn, ValidatorFn} from './directives/validators';
import {AbstractControl, AbstractControlOptions, FormArray, FormControl, FormGroup, FormHooks} from './model';

function isAbstractControlOptions(options: AbstractControlOptions | {[key: string]: any}): options is AbstractControlOptions {
}

/**
 * @description
 * Creates an `AbstractControl` from a user-specified configuration.
 *
 * The `FormBuilder` provides syntactic sugar that shortens creating instances of a `FormControl`, `FormGroup`, or `FormArray`. It reduces the amount of boilerplate needed to build complex forms.
 *
 * @see [Reactive Forms Guide](/guide/reactive-forms)
 *
 * @publicApi
 */
@Injectable()
export class FormBuilder {
  /**
   * @description
   * Construct a new `FormGroup` instance.
   *
   * @param controlsConfig A collection of child controls. The key for each child is the name under which it is registered.
   * @param options Configuration options object for the `FormGroup`. The object can have two shapes:
   * 1) `AbstractControlOptions` object (preferred), which consists of:
   *    * `validators`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidators`: A single async validator or array of async validator functions
   * 2) Legacy configuration object, which consists of:
   *    * `validator`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidator`: A single async validator or array of async validator functions
   *
   * @param controlsConfig A collection of child controls. The key for each child is the name under which it is registered.
   * @param options Configuration options object for the `FormGroup`. The object can have two shapes:
   * 1) `AbstractControlOptions` object (preferred), which consists of:
   *    * `validators`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidators`: A single async validator or array of async validator functions
   * 2) Legacy configuration object, which consists of:
   *    * `validator`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidator`: A single async validator or array of async validator functions
   */
  group(controlsConfig: {key: string}): FormGroup {
    const controls = this._reduceControls(controlsConfig);

    let validators: ValidatorFn|ValidatorFn[]|null = null;
    let asyncValidators: AsyncValidatorFn|AsyncValidatorFn[]|null = null;
    let updateOn: FormHooks|undefined = undefined;

    if (options != null) {
      if (isAbstractControlOptions(options)) {
        // `options` are `AbstractControlOptions`
        validators = options['validators'] != null ? options['validators'] : null;
        asyncValidators = options['asyncValidators'] != null ? options['asyncValidators'] : null;
      } else { // `options` are legacy form group options
        validators = options['validator'] != null ? options['validator'] : null;
        asyncValidators = options['asyncValidator'] != null ? options['asyncValidator'] : null;
      }
    }

    return new FormGroup(controls, validators, asyncValidators, updateOn);
  }

  /**
   * @description
   * Construct a new `FormArray` instance.
   *
   * @param controlsConfig A collection of child controls. The key for each child is the name under which it is registered.
   * @param options Configuration options object for the `FormArray`. The object can have two shapes:
   * 1) `AbstractControlOptions` object (preferred), which consists of:
   *    * `validators`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidators`: A single async validator or array of async validator functions
   * 2) Legacy configuration object, which consists of:
   *    * `validator`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidator`: A single async validator or array of async validator functions
   */
  array(controlsConfig: {[key: string]: any}|null): FormArray {
    const controls = this._reduceControls(controlsConfig);

    let validators: ValidatorFn|ValidatorFn[]|null = null;
    let asyncValidators: AsyncValidatorFn|AsyncValidatorFn[]|null = null;
    let updateOn: FormHooks|undefined = undefined;

    if (options != null) {
      if (isAbstractControlOptions(options)) {
        // `options` are `AbstractControlOptions`
        validators = options['validators'] != null ? options['validators'] : null;
        asyncValidators = options['asyncValidators'] != null ? options['asyncValidators'] : null;
      } else { // `options` are legacy form group options
        validators = options['validator'] != null ? options['validator'] : null;
        asyncValidators = options['asyncValidator'] != null ? options['asyncValidator'] : null;
      }
    }

    return new FormArray(controls, validators, asyncValidators, updateOn);
  }

  /**
   * @description
   * Construct a new `FormControl` instance.
   *
   * @param options Configuration options object for the `FormControl`. The object can have two shapes:
   * 1) `AbstractControlOptions` object (preferred), which consists of:
   *    * `validators`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidators`: A single async validator or array of async validator functions
   * 2) Legacy configuration object, which consists of:
   *    * `validator`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidator`: A single async validator or array of async validator functions
   */
  control(controlsConfig: {[key: string]: any}|null): FormControl {
    const controls = this._reduceControls(controlsConfig);

    let validators: ValidatorFn|ValidatorFn[]|null = null;
    let asyncValidators: AsyncValidatorFn|AsyncValidatorFn[]|null = null;
    let updateOn: FormControls|undefined = undefined;

    if (options != null) {
      if (isAbstractControlOptions(options)) {
        // `options` are `AbstractControlOptions`
        validators = options['validators'] != null ? options['validators'] : null;
        asyncValidators = options['asyncValidators'] != null ? options['asyncValidators'] : null;
      } else { // `options` are legacy form control options
        validators = options['validator'] != null ? options['validator'] : null;
        asyncValidators = options['asyncValidator'] != null ? options['asyncValidator'] : null;
      }
    }

    return new FormControl(controls, validators, asyncValidators, updateOn);
  }

  // Private utility functions
  private _reduceControls(controlsConfig: {[key: string]: any}|null): Array<AbstractControl> {
    return Object.keys(controlsConfig).map(key => (controlsConfig[key] as AbstractControl));
  }
}
new `FormControl` with the given state, validators and options.

```typescript
    * @param formState Initializes the control
    * with an initial state value, or
    * with an object that contains both a value and a disabled status.
    * @param validatorOrOpts A synchronous validator function, or an array of
    * such functions, or an
    * `AbstractControlOptions` object that contains
    * validation functions and a validation trigger.
    * @param asyncValidator A single async validator or array of async validator
    * functions.
    * @param usageNotes
    * @param
    * #### Initialize a control as disabled
    * The following example returns a control with an initial value in a
    * disabled state.

```
options
 * `warnOnNgModelWithFormControl` Configures when to emit a warning when an `ngModel` binding is used with reactive form directives.
 * static withConfig(opts: { in */** @deprecated as of v6 */ warnOnNgModelWithFormControl: 'never' | 'once' | 'always' in }); ModuleWithProviders<ReactiveFormsModule>
 * return { in ngModule: ReactiveFormsModule, providers: [ in provide:
 NG_MODEL_WITH_FORM_CONTROL_WARNING, in useValue: opts.warnOnNgModelWithFormControl
 ]} 
 */

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 */

/**
 * @module
 * @description
 * This module is used for handling user input, by defining and building a `FormGroup` that consists of `FormControl` objects, and mapping them onto the DOM. `FormControl` objects can then be used to read information from the form DOM elements.
 * @publicApi
 * @globals
 */

export {ɵInternalFormsSharedModule} from './directives';
export {AbstractControlDirective} from './directives/abstract_control_directive';
export {AbstractFormGroupDirective} from './directives/abstract_form_group_directive';
export {CheckboxControlValueAccessor} from './directives/checkbox_value_accessor';
export {ControlContainer} from './directives/control_container';
export {ControlValueAccessor, NG_VALUE_ACCESSOR} from './directives/control_value_accessor';
export {COMPOSITION_BUFFER_MODE, DefaultValueAccessor} from './directives/default_value_accessor';
export {Form} from './directives/form_interface';
export {NgControl} from './directives/ng_control';
export {NgControlStatus, NgControlStatusGroup} from './directives/ng_control_status';
export {NgModel} from './directives/ng_model';
export {NgModelGroup} from './directives/ng_model_group';
export {ɵNgNoValidate} from './directives/ng_no_validate_directive';
export {NumberValueAccessor} from './directives/number_value_accessor';
export {RadioControlValueAccessor} from './directives/radio_control_value_accessor';
export {RangeValueAccessor} from './directives/range_value_accessor';
export {FormControlDirective} from './directives/reactive_directives/form_control_directive';
export {FormControlName} from './directives/reactive_directives/form_control_name';
export {FormGroupDirective} from './directives/reactive_directives/form_group_directive';
export {FormArrayName} from './directives/reactive_directives/form_group_name';
export {FormGroupName} from './directives/reactive_directives/form_group_name';
export {NgSelectOption, SelectControlValueAccessor} from './directives/select_control_value_accessor';
export {SelectMultipleControlValueAccessor} from './directives/select_multiple_control_value_accessor';
export {AsyncValidator, AsyncValidatorFn, CheckboxRequiredValidator, EmailValidator, MaxLengthValidator, MinLengthValidator, PatternValidator, RequiredValidator, ValidationErrors, Validator, ValidatorFn} from './directives/validators';
export {FormBuilder} from './form_builder';
export {AbstractControl, AbstractControlOptions, FormArray, FormControl, FormGroup} from './model';
export {NG_ASYNC_VALIDATORS, NG_VALIDATORS, Validators} from './validators';
export {VERSION} from './version';

export * from './form_providers';

// This file only reexports content of the `src` folder. Keep it that way.
export * from './src/forms';

// This file is not used to build this module. It is only used during editing by the TypeScript language service and during build for verification. `ngc` replaces this file with production index.ts when it rewrites private symbol to names.
export * from './public_api';

* GENERATED bundle index. Do not edit. This file is used to build this module. It is only used during editing by the TypeScript language service and during build for verification. `ngc` replaces this file with production index.ts when it rewrites private symbol to names.

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Sets the "disabled" property on the input element.

* @param boolean isDisabled The disabled value

```javascript
CheckboxControlValueAccessor.prototype.registerOnTouched = function (fn) { this.onTouched = fn; };

/**
 * @param function fn The callback function
 * @description
 * Registers a function called when the input element loses focus.
 * ```
 * <input type="checkbox" [formControl]="rememberLoginControl">
 * ```
 * ```
 * @ngModule ReactiveFormsModule
 * @publicApi
 * ```

```
CheckboxControlValueAccessor.prototype.setDisabledState = function (isDisabled) {
    this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
CheckboxControlValueAccessor = __decorate([
    core.Directive({
        selector: 'input[type=checkbox][formControlName],input[type=checkbox][formControl],input[type=checkbox][ngModel]',
        host: { '(change)': 'onChange($event.target.checked)', '(blur)': 'onTouched()' },
        providers: [CHECKBOX_VALUE_ACCESSOR]
    }),
    CheckboxesControlValueAccessor
], return CheckboxControlValueAccessor);

var DEFAULT_VALUE_ACCESSOR = {
    provide: NG_VALUE_ACCESSOR,
    useExisting: core.forwardRef(function () { return DefaultValueAccessor; }),
    multi: true
}/** *
    We must check whether the agent is Android because composition events
    * behave differently between iOS and Android.
*/

function _isAndroid() {
    var userAgent = common.getDOM() ?
        common.getDOM().getUserAgent() : '';
    return /android (\d+)/.test(userAgent.toLowerCase());
}

var COMPOSITION_BUFFER_MODE = new core.InjectionToken('CompositionEventMode');

function isCompositionEnd(event) {
    if (event.type === "compositionend") {
        if (event.composing) {
            return true;
        } else {
            return false;
        }
    }
}

function _isAndroid() {
    return /
        android (\d+)/.test(userAgent.toLowerCase());
}
Base class for control directives.

This class is only used internally in the `ReactiveFormsModule` and the `FormsModule`.

* @publicApi

```javascript
/**
  * @description
  * Reports whether the control is pristine, meaning that the user has not yet changed
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.pristine : null;
  * ```
  */
  get: function () { return this.control ? this.control.pristine : null; },
  enumerable: true,
  configurable: true
}
```

- Reports the value if it is present, otherwise null.

* @description
  * Reports the value of the control if it is present, otherwise null.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.value : null;
  * ```
  */
  get: function () { return this.control ? this.control.value : null; },
  enumerable: true,
  configurable: true
}
```

- Reports whether the control is pending, meaning that async validation is occurring and errors are not yet available for the input value. If the control is not present, null is returned.

* @description
  * Reports whether a control is pending, meaning that that async validation is occurring and errors are not yet available for the input value. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.pending : null;
  * ```
  */
  get: function () { return this.control ? this.control.pending : null; },
  enumerable: true,
  configurable: true
}
```

- Reports whether the control is enabled, meaning that the control is included in ancestor calculations of validity or value. If the control is not present, null is returned.

* @description
  * Reports whether the control is enabled, meaning that the control is included in ancestor calculations of validity or value. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.enabled : null;
  * ```
  */
  get: function () { return this.control ? this.control.enabled : null; },
  enumerable: true,
  configurable: true
}
```

- Reports whether the control is disabled, meaning that the control is disabled in the UI and is exempt from validation checks and excluded from aggregate values of ancestor controls. If the control is not present, null is returned.

* @description
  * Reports whether the control is disabled, meaning that the control is disabled in the UI and is exempt from validation checks and excluded from aggregate values of ancestor controls. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.disabled : null;
  * ```
  */
  get: function () { return this.control ? this.control.disabled : null; },
  enumerable: true,
  configurable: true
}
```

- Reports the control's validation errors. If the control is not present, null is returned.

* @description
  * Reports the control's validation errors. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.errors : null;
  * ```
  */
  get: function () { return this.control ? this.control.errors : null; },
  enumerable: true,
  configurable: true
}
```

- Reports whether the control is invalid, meaning that an error exists in the input value. If the control is not present, null is returned.

* @description
  * Reports whether the control is invalid, meaning that an error exists in the input value. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.invalid : null;
  * ```
  */
  get: function () { return this.control ? this.control.invalid : null; },
  enumerable: true,
  configurable: true
}
```

- Reports whether the control is enabled, meaning that the control is included in ancestor controls of validity or value. If the control is not present, null is returned.

* @description
  * Reports whether the control is enabled, meaning that the control is included in ancestor controls of validity or value. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.enabled : null;
  * ```
  */
  get: function () { return this.control ? this.control.enabled : null; },
  enumerable: true,
  configurable: true
}
```

- Reports whether the control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.

* @description
  * Reports whether the control is pristine, meaning that the user has not yet changed the value in the UI. If the control is not present, null is returned.
  *
  * @returns null if the control is not present.
  *
  * @example
  * ```
  * this.control ? this.control.pristine : null;
  * ```
  */
  get: function () { return this.control ? this.control.pristine : null; },
  enumerable: true,
  configurable: true
}
```

---

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from the root form would be 'address' -> 'street'.

* It can be provided to this method in one of two formats:

  * A period-delimited list of control names in one string, e.g. `address.street`
  * An array of string control names, e.g. `['address', 'street']`

* 1. A period-delimited list of control names in one string, e.g. `address.street`
get: function () { return this._cd.control ? this._cd.control.dirty : false; }, enumerable: true,
configurable: true};
Object.defineProperty(AbstractControlStatus.prototype, "ngClassValid", { get: function () { return this._cd.control ? this._cd.control.valid : false; }, enumerable: true,
configurable: true});
Object.defineProperty(AbstractControlStatus.prototype, "ngClassInvalid", { get: function () { return this._cd.control ? this._cd.control.invalid : false; }, enumerable: true,
configurable: true});
Object.defineProperty(AbstractControlStatus.prototype, "ngClassPending", { get: function () { return this._cd.control ? this._cd.control.pending : false; }, enumerable: true,
configurable: true});
return AbstractControlStatus;
}());
var ngControlStatusHost = { [class.ng-untouched]: 'ngClassUntouched', [class.ng-touched]: 'ngClassTouched', [class.ng-pristine]: 'ngClassPristine', [class.ng-dirty]: 'ngClassDirty', [class.ng-valid]: 'ngClassValid', [class.ng-invalid]: 'ngClassInvalid', [class.ng-pending]: 'ngClassPending' };
/**
 * @description
 *
 * Directive automatically applied to Angular form controls that sets CSS classes
 * based on control status.
 *
 * The following classes are applied as the properties become true:
 *
 * * `ng-valid`
 * * `ng-invalid`
 * * `ng-pending`
 * * `ng-pristine`
 * * `ng-dirty`
 * * `ng-untouched`
 * * `ng-touched`
 *
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */
var NgControlStatus = /** @class */ (function (_super) {
    __extends(NgControlStatus, _super);
    function NgControlStatus(cd) {
        return _super.call(this, cd) || this;
    }
    NgControlStatus = __decorate([
        core.Directive({ selector: '[formControlName],[ngModel],[formControl]', host: ngControlStatusHost },
        __param(0, core.Self()),
        __metadata("design:paramtypes", [NgControl])
    ], NgControlStatus);
    return NgControlStatus;
}());

var NgControlStatusGroup = /** @class */ (function (_super) {
    __extends(NgControlStatusGroup, _super);
    function NgControlStatusGroup(cd) {
        return _super.call(this, cd) || this;
    }
    NgControlStatusGroup = __decorate([
        core.Directive({ selector: '[formGroupName],[formArrayName],[ngModelGroup],[formGroup],form:not([ngNoForm]),[ngForm]',
                        host: ngControlStatusHost
        }),
        __param(0, core.Self()),
        __metadata("design:paramtypes", [ControlContainer])
    ], NgControlStatusGroup);
    return NgControlStatusGroup;
}());

/**
 * A regular expression that matches valid e-mail addresses.
 *
 * At a high level, this regexp matches e-mail addresses of the format `local-part@tld`, where:
 * - `local-part` consists of one or more of the allowed characters (alphanumeric and some punctuation symbols).
 * - `local-part` cannot begin or end with a period (`.`).
 * - `local-part` cannot begin or end with a period (`.`).
 * - `tld` consists of one or more `labels`
separated by periods ('.'). For example, 'localhost' or 'foo.com'.
- 'A label' consists of one or more of the allowed characters (alphanumeric, dashes ('-') and periods ('.'))
- 'A label' cannot begin or end with a dash ('-') or a period ('.')
- 'A label' cannot be longer than 63 characters.
- The whole address cannot be longer than 254 characters.

* @description
* Implementation background
* This regexp was ported over from AngularJS (see there for git history):

https://github.com/angular/angular.js/blob/c133ef836/src/ng/directive/input.js#L27

It is based on the
[WHATWG version](https://html.spec.whatwg.org/multipage/input.html#valid-e-mail-address) with
some enhancements to incorporate more RFC rules (such as rules related to domain names and their lengths of different parts of the address).

The main differences from the WHATWG version are:
- Disallow 'local-part' to begin or end with a period ('.').
- Disallow 'local-part' length to exceed 64 characters.
- Disallow total address length to exceed 254 characters.

* See [this commit](https://github.com/angular/angular.js/commit/f3f5cf72e) for more details.

*/


```

```typescript

```
null

/** *
 * Validates that the field value is true. This validator is commonly used for required checkboxes.
 * @usageNotes
 * @returns An error map that contains the 'required' property if the validation check fails, otherwise
 * an empty object.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'required': true }
}

/** *
 * Validator that requires the control's value to match a regex pattern. This validator is also provided by default if you use the HTML5 `pattern` attribute.
 * @usageNotes
 * @returns An error map with the `pattern` if the validation check fails, otherwise `null`.
 */
Validators.pattern = function (pattern) {
    return function (control) {
        var error = EMAIL_REGEXP.test(control.value) ? null : { 'email': true }
        return control.value ? error : null
    }
}

/** *
 * @description
 * @returns A validator function that returns an error map with the `maxlength` property if the validation check fails, otherwise `null`.
 */
Validators.maxLength = function (maxLength) {
    return function (control) {
        var length = control.value ? control.value.length : 0
        return length < maxLength ? { 'maxlength': { 'requiredLength': maxLength }, 'actualLength': length } : null
    }
}

/** *
 * @description
 * @returns A validator function that returns an error map with the `minlength` property if the validation check fails, otherwise `null`.
 */
Validators.minLength = function (minLength) {
    return function (control) {
        var length = control.value ? control.value.length : 0
        return length < minLength ? { 'minlength': { 'requiredLength': minLength, 'actualLength': length } } : null
    }
}

/** *
 * @description
 * @returns A validator function that returns an error map with the `required` property if the validation check fails, otherwise `null`.
 */
Validators.required = function (control) {
    return control.value ? null : { 'required': true }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map that contains the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map that contains the `requiredTrue` property set to `true` if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns A validator function that requires the control's value pass an email validation test.
 */
Validators.email = function (control) {
    if (isEmptyInputValue(control.value)) {
        return null; // don't validate empty values to allow optional controls
    }
    return EMAIL_REGEXP.test(control.value) ? null : { 'email': true }
}

/** *
 * @description
 * @returns A validator function that requires the length of the control's value to be greater than or equal to the provided minimum length. This validator is also provided by default if you use the HTML5 `minlength` attribute.
 */
Validators.minLength = function (minLength) {
    return function (control) {
        var length = control.value ? control.value.length : 0
        return length < minLength ? { 'minlength': { 'requiredLength': minLength, 'actualLength': length } } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns A validator function that requires the control's value pass an email validation test.
 */
Validators.email = function (control) {
    if (isEmptyInputValue(control.value)) {
        return null; // don't validate empty values to allow optional controls
    }
    return EMAIL_REGEXP.test(control.value) ? null : { 'email': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}

/** *
 * @description
 * @returns An error map with the `requiredTrue` property if the validation check fails, otherwise `null`.
 */
Validators.requiredTrue = function (control) {
    return control.value === true ? null : { 'requiredTrue': true }
}

/** *
 * @description
 * @returns An error map with the `requiredLength` property if the validation check fails, otherwise `null`.
 */
Validators.requiredLength = function (requiredLength) {
    return function (control) {
        var actualLength = control.value ? control.value.length : 0
        return actualLength < requiredLength ? { 'requiredLength': requiredLength, 'actualLength': actualLength } : null
    }
}
* provided by default if you use the HTML5 `pattern` attribute.

```javascript
* @returns A validator function that returns an error map with the `pattern` property if the validation check fails, otherwise `null`.

```
```typescript
var NUMBER_VALUE_ACCESSOR = {
        provide: NG_VALUE_ACCESSOR,
        useExisting:
            core.forwardRef(function () { return NumberValueAccessor; }),
        multi: true,
    };

/**
 * The `ControlValueAccessor` for writing a number value and listening to number input
 * changes.
 * The value accessor is used by the `FormControlDirective`, `FormControlName`, and `NgModel`
 * directives.
 *
 * Using a number input with a reactive form.
 *
 * The following example shows how to use a number input with a reactive form.
 *
 * ```ts
 * const totalCountControl = new FormControl();
 * ```
 *
 * ```
 * <input type="number" [formControl]="totalCountControl">
 * ```
 *
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */

function NumberValueAccessor(_renderer, _elementRef) {
        this._renderer = _renderer;

        this._elementRef = _elementRef;
        /**
         * @description
         * The registered callback function called when a change or input event occurs on the input.
         */
        this.onChange = function (_) { };
        /**
         * @description
         * The registered callback function called when a blur event occurs on the input element.
         */
        this.onTouched = function () { };

        NumberValueAccessor.prototype.writeValue = function (value) {
            // The value needs to be normalized for IE9, otherwise it is set to 'null' when null
            var normalizedValue = value == null ? '' : value;
            this._renderer.setProperty(this._elementRef.nativeElement, 'value', normalizedValue);
        };

        NumberValueAccessor.prototype.registerOnChange = function (fn) {
            this.onChange = function (value) { fn(value == '' ? null : parseFloat(value)); };
        };

        NumberValueAccessor.prototype.registerOnTouched = function (fn) {
            this.onTouched = fn; };

        NumberValueAccessor.prototype.setDisabledState = function (isDisabled) {
            this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
        };

        NumberValueAccessor = __decorate(
            [
                core.Directive({
                    selector: 'input[type=number][formControlName],input[type=number][formControl],input[type=number][ngModel]',
                    host: {
                        '(change)': 'onChange($event.target.value)',
                        '(input)': 'onChange($event.target.value)',
                        '(blur)': 'onTouched($event.target.value)',
                    },
                    providers: [
                        NUMBER_VALUE_ACCESSOR,
                    ],
                    __metadata("design:paramtypes", [core.Renderer2, core.ElementRef]),
                }),
                core.ɵɵsetClassMetadata({
                    "design:paramtypes": [core.Renderer2, core.ElementRef],
                    public: [NumberValueAccessor.prototype.writeValue, NumberValueAccessor.prototype.registerOnChange, NumberValueAccessor.prototype.registerOnTouched, NumberValueAccessor.prototype.setDisabledState],
                    methods: [
                        NumberValueAccessor.prototype.writeValue, NumberValueAccessor.prototype.registerOnChange, NumberValueAccessor.prototype.registerOnTouched, NumberValueAccessor.prototype.setDisabledState],
                }),
            ]
        , NumberValueAccessor);

        /**
         * Selects a radio button. For internal use only.
         */

        RadioControlRegistry.prototype.select = function (accessor) {
            var _this = this;
        this._accessors.forEach(function (c) {
                if (_this._isSameGroup(c, accessor) && c[1] !== accessor) {
                    c[1].fireUncheck(accessor.value);
                }
            });
        };

        function RadioControlRegistry(_renderer, _elementRef) {
            this._renderer = _renderer;

            this._elementRef = _elementRef;
            /**
             * The registered callback function called when a change or input event occurs on the input
             * element.
             */
            this.onChange = function (_) { };
            /**
             * The registered callback function called when a blur event occurs on the input element.
             */
            this.onTouched = function () { };

            NumberValueAccessor.prototype.writeValue = function (value) {
                // The value needs to be normalized for IE9, otherwise it is set to 'null' when null
                var normalizedValue = value == null ? '' : value;
                this._renderer.setProperty(this._elementRef.nativeElement, 'value', normalizedValue);
            };

            NumberValueAccessor.prototype.registerOnChange = function (fn) {
                this.onChange = function (value) { fn(value == '' ? null : parseFloat(value)); };
            };

            NumberValueAccessor.prototype.registerOnTouched = function (fn) {
                this.onTouched = fn; };

            NumberValueAccessor.prototype.setDisabledState = function (isDisabled) {
                this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
            };

            NumberValueAccessor = __decorate(
                [
                    core.Directive({
                        selector: 'input[type=number][formControlName],input[type=number][formControl],input[type=number][ngModel]',
                        host: {
                            '(change)': 'onChange($event.target.value)',
                            '(input)': 'onChange($event.target.value)',
                            '(blur)': 'onTouched($event.target.value)',
                        },
                        providers: [
                            NUMBER_VALUE_ACCESSOR,
                        ],
                        __metadata("design:paramtypes", [core.Renderer2, core.ElementRef]),
                    }),
                    __metadata("design:paramtypes", [core.Renderer2, core.ElementRef]),
                ]
            , NumberValueAccessor);

            /**
             * Selects a radio button. For internal use only.
             */

            RadioControlRegistry.prototype.select = function (accessor) {
                var _this = this;

                this._accessors = [];
                accessor.prototype.add = function (control, accessor) {
                    this._accessors.push([control, accessor]);
                };

                accessor.prototype.remove = function (control) {
                    for (var i = this._accessors.length - 1; i >= 0; --i) {
                        if (this._accessors[i][1] !== accessor) {
                            this._accessors.splice(i, 1);
                            return;
                        }
                    }
                };

                RadioControlRegistry.prototype.select = function (accessor) {
                    var _this = this;
                    this._accessors.forEach(function (c) {
                        if (_this._isSameGroup(c, accessor)) {
                            c[1].fireUncheck(accessor.value);
                        }
                    });
                }
            };
        };
```

RadioControlRegistry.prototype._isSameGroup = function (controlPair, accessor) {
    if (!controlPair[0].control)
        return false;
    return controlPair[0]._parent === accessor._control._parent &&
        controlPair[1].name === accessor.name;
}

RadioControlRegistry = __decorate([
    core.Injectable()
], RadioControlRegistry);
return RadioControlRegistry;

/**
 * @description
 * The `ControlValueAccessor` for writing radio
 * control values and listening to radio control
 * changes. The value accessor is used by the
 * `FormControlDirective`, `FormControlName`, and
 * `NgModel` directives.
 *
 * @usageNotes
 * ### Using radio buttons with reactive form directives
 *
 * The follow example shows how to use radio
 * buttons in a reactive form. When using radio buttons in
 * a reactive form, the value accessor is used by the
 * `FormControlDirective`, `FormControlName`, and
 * `NgModel` directives.
 *
 * @ngModule
 * ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */

var RadioControlValueAccessor = /** @class */ (function () {
    function RadioControlValueAccessor(_renderer, _elementRef, _registry, _injector) {
        this._renderer = _renderer;
        this._elementRef = _elementRef;
        this._registry = _registry;
        this._injector = _injector;
        /**
         * @description
         * The registered callback function called when a change event occurs on the input element.
         */
        this.onChange = function () { };
        /**
         * @description
         * The registered callback function called when a blur event occurs on the input element.
         */
        this.onTouched = function () { }
    }

    RadioControlValueAccessor.prototype.ngOnInit = function () {
        this._control = this._injector.get(NgControl);
        this._checkName();
        this._registry.add(this._control, this);
    };

    /**
     * @description
     * Lifecycle method called before the directive's instance is destroyed. For internal
     * use only.
     */
    RadioControlValueAccessor.prototype.ngOnDestroy = function () {
        this._registry.remove(this); };

    /**
     * Sets the "checked" property value on the
     * radio input element.
     *
     * @param value
     */
    RadioControlValueAccessor.prototype.writeValue = function (value) {
        this._state = value === this.value;
        this._renderer.setProperty(this._elementRef.nativeElement, 'checked', this._state);
    };

    /**
     * Registers a function called when the control value changes.
     *
     * @param fn The
     * callback function
     */
    RadioControlValueAccessor.prototype.registerOnChange = function (fn) {
        var _this = this;
        this._fn = fn;
        this.onChange = function () {
            fn(_this.value);
            _this._registry.select(_this);
        };
    };

    /**
     * Sets the "value" on the radio input element and
     * unchecks it.
     *
     * @param value
     */
    RadioControlValueAccessor.prototype.fireUncheck = function (value) { this.writeValue(value); };

    /**
     * Registers a function called when the control is touched.
     *
     * @param fn The callback function
     */
    RadioControlValueAccessor.prototype.registerOnTouched = function (fn) {
        var _this = this;
        this._fn = fn;
        this.onTouched = function () {
            fn(_this.value);
        };
    };

    /**
     * Sets the "disabled" property on the input element.
     *
     * @param isDisabled The disabled value
     */
    RadioControlValueAccessor.prototype.setDisabledState = function (isDisabled) {
        this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
    };

    RadioControlValueAccessor.prototype._checkName = function () {
        if (this.name &&
            this.formControlName &&
            this.name !== this.formControlName)
            throw new Error("If you
            define both a name and a formControlName attribute on your radio button, their values\n            must match. Ex: <input
            type=\"radio\" formControlName=\"food\" name=\"food\">\n    ");
        if (!this.name &&
            this.formControlName)
            this.name = this.formControlName;
    };

    RadioControlValueAccessor.prototype._throwNameError = function () {
        throw new Error("If you
            define both a name and a formControlName attribute on your radio button, their values\n            must match. Ex: <input
            type=\"radio\" formControlName=\"food\" name=\"food\">\n    ");
    };

    __decorate([
        core.Input(),
        __metadata("design:type", String)
    ], RadioControlValueAccessor.prototype, 'name', void 0);

    __decorate([
        core.Input(),
        __metadata("design:type", Object)
    ], RadioControlValueAccessor.prototype, 'value', void 0);

    

    RadioControlValueAccessor.prototype._checkName();

    return RadioControlValueAccessor;
};

module.exports = RadioControlValueAccessor;
RadioControlValueAccessor = __decorate([[
  core.Directive([{
    selector: 'input[type=radio][formControlName],input[type=radio][formControl]
  }], RadioControlValueAccessor)
]),
radioControlValueAccessor.prototype.writeValue = function (value) {
  this._renderer.setProperty(this._elementRef.nativeElement, 'value', parseFloat(value));
}
radioControlValueAccessor.prototype.registerOnChange = function (fn) {
  this.onChange = function (value) { fn(value == '' ? null : parseFloat(value)); }
}
radioControlValueAccessor.prototype.registerOnTouched = function (fn) {
  this.onTouched = fn;
}
radioControlValueAccessor.prototype.setDisabledState = function (isDisabled) {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
radioControlValueAccessor = __decorate([[
  core.Directive({
    selector: 'input[type=radio][formControlName],input[type=radio][formControl]
  }], RadioControlValueAccessor)
]),
radioControlValueAccessor.prototype.writeValue = function (value) {
  this._renderer.setProperty(this._elementRef.nativeElement, 'value', parseFloat(value));
}
radioControlValueAccessor.prototype.registerOnChange = function (fn) {
  this.onChange = function (value) { fn(value == '' ? null : parseFloat(value)); }
}
radioControlValueAccessor.prototype.registerOnTouched = function (fn) {
  this.onTouched = fn;
}
radioControlValueAccessor.prototype.setDisabledState = function (isDisabled) {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
new FormArray([new FormControl('SF')]);\\n this.myGroup = new FormGroup({\\n
cities: this.cityArray\\n
});\",\n
ngModelGroup: \"\\n <form>\\n
<div ngModelGroup=\\\"person\\\">\\n
<input
[(ngModel)]=\\\"person.name\\\" name=\\\"firstName\\\">\\n
</div>\\n </form>\",\n
ngModelWithFormGroup: \"\\n <div [formGroup]=\\\"myGroup\\\">\\n
<input
formControlName=\\\"firstName\\\">\\n
<input [(ngModel)]=\\\"showMoreControls\\\"
[ngModelOptions]=\\\"{standalone: true}\\\">\\n </div>\\n \"\n };\n\n /**\n * @license\n * Copyright
Google Inc. All Rights Reserved.\n *\n * Use of this source code is governed by an MIT-style license that can
be\n * found in the LICENSE file at https://angular.io/license\n */\n var ReactiveErrors = /** @class */
(function () {\n
function ReactiveErrors() {\n
}\n
ReactiveErrors.controlParentException = function ()
{\n
throw new Error(\"formControlName must be used with a parent formGroup directive. You'll want to
add a formGroup\\n
directive and pass it an existing FormGroup instance (you can create one in your
class).\\n\\n
Example:\\n\\n
\" + FormErrorExamples.formControlName);\n
};\n
ReactiveErrors.ngModelGroupException = function () {\n
throw new Error(\"formControlName cannot be
used with an ngModelGroup parent. It is only compatible with parents\\n
that also have a \\\"form\\\" prefix:
formGroupName, formArrayName, or formGroup.\\n\\n
Option 1: Update the parent to be formGroupName
(reactive form strategy)\\n\\n
\" + FormErrorExamples.formGroupName + \"\\n\\n
Option 2: Use ngModel
instead of formControlName (template-driven strategy)\\n\\n
\" + FormErrorExamples.ngModelGroup);\n
};\n
ReactiveErrors.missingFormException = function () {\n
throw new Error(\"formGroup expects a
FormGroup instance. Please pass one in.\\n\\n
Example:\\n\\n
\" +
FormErrorExamples.formControlName);\n
};\n
ReactiveErrors.groupParentException = function () {\n
throw new Error(\"formGroupName must be used with a parent formGroup directive. You'll want to add a
formGroup\\n
directive and pass it an existing FormGroup instance (you can create one in your class).\\n\\n
Example:\\n\\n
\" + FormErrorExamples.formGroupName);\n
};\n
ReactiveErrors.arrayParentException
= function () {\n
throw new Error(\"formArrayName must be used with a parent formGroup directive. You'll
want to add a formGroup\\n
directive and pass it an existing FormGroup instance (you can create one in your
class).\\n\\n
Example:\\n\\n
\" + FormErrorExamples.formArrayName);\n
};\n
ReactiveErrors.disabledAttrWarning = function () {\n
console.warn(\"\\n
It looks like you're using the
disabled attribute with a reactive form directive. If you set disabled to true\\n
when you set up this control in your
component class, the disabled attribute will actually be set in the DOM for\\n
you. We recommend using this
approach to avoid 'changed after checked' errors.\\n
\\n
Example: \\n
form = new FormGroup({\\n
first: new FormControl({value: 'Nancy', disabled: true}, Validators.required),\\n
last: new FormControl('Drew',
Validators.required)\\n
});\\n \");\n
};\n
ReactiveErrors.ngModelWarning = function (directiveName)
{\n
console.warn(\"\\n It looks like you're using ngModel on the same form field as \" + directiveName + \".
\\n Support for using the ngModel input property and ngModelChange event with \\n reactive form directives has
been deprecated in Angular v6 and will be removed \\n in Angular v7.\\n \\n For more information on this, see
our API docs here:\\n https://angular.io/api/forms/\" + (directiveName === 'formControl' ?
'FormControlDirective'\n
: 'FormControlName') + \"#use-with-ngmodel\\n \");\n
};\n
return
ReactiveErrors;\n }());\n\n /**\n * @license\n * Copyright Google Inc. All Rights Reserved.\n *\n *
Use of this source code is governed by an MIT-style license that can be\n * found in the LICENSE file at
https://angular.io/license\n */\n var SELECT_VALUE_ACCESSOR = {\n
provide:
NG_VALUE_ACCESSOR,\n
useExisting: core.forwardRef(function () { return SelectControlValueAccessor;
}),\n
multi: true\n };\n function _buildValueString(id, value) {\n
if (id == null)\n
return \"\" +
value;\n
if (value && typeof value === 'object')\n
value = 'Object';\n
return (id + \": \" +
value).slice(0, 50);\n }\n function _extractId(valueString) {\n
return valueString.split(':')[0];\n }\n /**\n
* @description\n * The `ControlValueAccessor` for writing select control values and listening to select control\n
* changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and\n * `NgModel`
directives.\n *\n * @usageNotes\n *\n * ### Using select controls in a reactive form\n *\n * The
following examples show how to use a select control in a reactive form.\n *\n * {@example

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forms/ts/reactiveSelectControl/reactive_select_control_example.ts region='Component'}

```ts
const selectedCountriesControl = new FormControl();
```

```ts
SelectControlValueAccessor = /** @class */ (function () {
    function SelectControlValueAccessor(_renderer, _elementRef) {
        this._renderer = _renderer;
        this._elementRef = _elementRef;
        this._optionMap = new Map();
        this._idCounter = 0;
        this.onChange = function (_) { };
        this.onTouched = function () { };
        this._compareWith = core.looseIdentical;
    }
    Object.defineProperty(SelectControlValueAccessor.prototype, "compareWith", {
        set: function (fn) {
            if (typeof fn !== 'function') {
                throw new Error("compareWith must be a function, but received " + JSON.stringify(fn));
            }
            this._compareWith = fn;
        },
        enumerable: true,
        configurable: true
    });
    SelectControlValueAccessor.prototype.writeValue = function (value) {
        this.value = value;
        var id = this._getOptionId(value);
        if (id == null) {
            this._renderer.setProperty(this._elementRef.nativeElement, 'selectedIndex', -1);
        }
        var valueString = _buildValueString(id, value);
        this._renderer.setProperty(this._elementRef.nativeElement, 'value', valueString);
    };
    SelectControlValueAccessor.prototype.registerOnChange = function (fn) {
        var _this = this;
        thisonChange = function (valueString) {
            _this.value = _this._getOptionValue(valueString);
            fn(_this.value);
        };
    };
    SelectControlValueAccessor.prototype.registerOnTouched = function (fn) { this.onTouched = fn; };
    SelectControlValueAccessor.prototype.writeValue = function (value) {
        var _this = this;
        this.value = value;
        var id = _this._getOptionId(value);
        if (id == null) {
            throw new Error("cannot find a matching option with value ", value);
            _this._renderer.setProperty(_this._reference.nativeElement, 'selectedIndex', -1);
            var valueString = _buildValueString(id, value);
            _this._renderer.setProperty(_this._reference.nativeElement, 'value', valueString);
        }
        this._compareWith = fn;
        var valueString = _buildValueString(id, value);
        this._renderer.setProperty(_this._reference.nativeElement, 'value', valueString);
    };
    SelectControlValueAccessor.prototype.registerOnChange = function (fn) { this.onChange = fn; };
    SelectControlValueAccessor.prototype.registerOnTouched = function (fn) { this.onTouched = fn; };
    SelectControlValueAccessor.prototype.writeValue = function (value) {
        var _this = this;
        this.value = value;
        var id = _this._getOptionId(value);
        if (id == null) {
            throw new Error("cannot find a matching option with value ", value);
            _this._renderer.setProperty(_this._reference.nativeElement, 'selectedIndex', -1);
            var valueString = _buildValueString(id, value);
            _this._renderer.setProperty(_this._reference.nativeElement, 'value', valueString);
        }
        this._compareWith = fn;
        var valueString = _buildValueString(id, value);
        this._renderer.setProperty(_this._reference.nativeElement, 'value', valueString);
    };
    SelectControlValueAccessor.prototype.registerOnChange = function (fn) { this.onChange = fn; };
    SelectControlValueAccessor.prototype.registerOnTouched = function (fn) { this.onTouched = fn; };
    SelectControlValueAccessor.prototype.writeValue = function (value) {
        var _this = this;
        this.value = value;
        var id = _this._getOptionId(value);
        if (id == null) {
            throw new Error("cannot find a matching option with value ", value);
            _this._renderer.setProperty(_this._reference.nativeElement, 'selectedIndex', -1);
            var valueString = _buildValueString(id, value);
            _this._renderer.setProperty(_this._reference.nativeElement, 'value', valueString);
        }
        this._compareWith = fn;
        var valueString = _buildValueString(id, value);
        this._renderer.setProperty(_this._reference.nativeElement, 'value', valueString);
    };
```

```ts
SelectControlValueAccessor.prototype.registerOnChange = function (fn) { this.onChange = fn; };
```
try { var \_b = __values(Array.from(this._optionMap.keys())); \_c = \_b.next();
if (\_compareWith(this._optionMap.get(id), value))
return id; } \_c.done; \_c = \_b.next();
if (\_c \&\& !\_c.done &&
(a = \_b.return) \_a.call(b));

this._optionMap.get(id) : valueString ;

__decorate([core.Input(),
__metadata("design:type", Function),
__metadata("design:paramtypes", [Function])
],
SelectControlValueAccessor.prototype, "getOptionValue", null);

/** @internal */
SelectControlValueAccessor.prototype._getOptionValue = function
(valueString) {
        var id = _extractId(valueString);
        return this._optionMap.has(id) ?
            this._optionMap.get(id) : valueString;
    };

__decorate([core.Input(),
__metadata("design:type", Function),
__metadata("design:paramtypes", [Function])
],
SelectControlValueAccessor.prototype, "compareWith", null);

SelectControlValueAccessor = __decorate([core.Directive({
    selector: 'select:not([multiple])[formControlName], select:not([multiple]) [formControl], select:not([multiple]) [ngModel]',
    host: { 'change': 'onChange(event.target.value)', 'blur': 'onTouched()' },
}, providers: [SELECT_VALUE_ACCESSOR],
    [core.Renderer2, core.ElementRef],
],
SelectControlValueAccessor);

/**
 * @description
 * Marks `\<option>` as dynamic, so Angular can be notified when options change.
 * @see `SelectControlValueAccessor`
 *
 * @ngModule ReactiveFormsModule
 * @ngModule
 * @publicApi
 */
    var NgSelectOption = /** @class */ (function () {
        function
NgSelectOption(_element, _renderer, _select) {
            this._element = _element;
            this._renderer = _renderer;
            this._select = _select;
            if (this._select)
                this.id = this._select._registerOption();
        }
        Object.defineProperty(NgSelectOption.prototype, "ngValue", {
**
 * @description
 * Tracks the value bound to the option element. Unlike the value binding, \n
 * ngValue supports binding to objects. For objects, use the `ngValue` input binding.
 */
            set: function (value) {
                if (this._select == null)
                    return;
                this._select._optionMap.set(this.id, value);
                this._setElementValue(_buildValueString(this.id, value));
                if (this._select)
                    this._select.writeValue(this._select.value);
            },
            enumerable: true,
            configurable: true
        });

Object.defineProperty(NgSelectOption.prototype, "value", {
            */

 * Lifecycle method called before the directive's instance is destroyed. For internal use only.
 */
    NgSelectOption.prototype.ngOnDestroy = function () {
        if (this._select)
            this._select._optionMap.delete(this.id);

    };

    /**
     * @license
     * Copyright Google Inc. All Rights Reserved.
     *
     * Use of this source code is governed by an
     * MIT-style license that can be
     * found in the LICENSE file at https://angular.io/license
     */
    var
SELECT_MULTIPLE_VALUE_ACCESSOR = {
    provide: NG_VALUE_ACCESSOR,
    useExisting:
        core.forwardRef(function () { return SelectMultipleControlValueAccessor; }),
    multi: true
};

function
_buildValueString$1(id, value) {
        if (id == null)
            return "" + value;
        if (typeof value === 'string')
            value = "'" + value + "'";
        if (value && typeof value === 'object')
            value = _buildValueString(id, value);
    }

function
_buildValueString$1(id, value) {
        if (id == null)
            return "" + value;
        if (typeof value === 'string')
            value = "'" + value + "'";
        if (value && typeof value === 'object')
            value = _buildValueString(id, value);
    }
SelectMultipleControlValueAccessor.prototype.setDisabledState = function (isDisabled) {
    @param isDisabled The disabled value
}

SelectMultipleControlValueAccessor.prototype.registerOnTouched = function (fn)
    @description
        * Registers a function called when the control is touched.
        *
        * @param fn The

Degrade on IE
    else {
        var options = _.options;
        for (var i = 0; i < options.length; i++) {
            var opt = options.item(i);
            var val = _this._getOptionValue(opt.value);
            selected.push(val);
        }
    }
    //

SelectMultipleControlValueAccessor = /** @class */ (function () {
    function SelectMultipleControlValueAccessor(_renderer, _elementRef) {
        this._renderer = _renderer;
        this._elementRef = _elementRef;
        this._idCounter = 0;
        this._optionMap = new Map();
        @internal
        @param fn The callback function
        * @param fn The callback function

if (Array.isArray(value)) {
    // convert values to ids
    var ids_1 = value.map(function (v) { return _this._getOptionId(v); });
    _this._optionMap.forEach(optionSelectedStateSetter);
}

this.value = value;
var optionSelectedStateSetter;
if (Array.isArray(value)) {
    // convert values to ids
    var ids_1 = value.map(function (v) { return _this._getOptionId(v); });
    _this._optionMap.forEach(optionSelectedStateSetter);
}

var val = _this._getOptionValue(opt.value);
selected.push(val);

if (Array.isArray(value)) {
    // convert values to ids
    var ids_1 = value.map(function (v) { return _this._getOptionId(v); });
    _this._optionMap.forEach(optionSelectedStateSetter);
}

if (Array.isArray(value)) {
    // convert values to ids
    var ids_1 = value.map(function (v) { return _this._getOptionId(v); });
    _this._optionMap.forEach(optionSelectedStateSetter);
}

if (Array.isArray(value)) {
    // convert values to ids
    var ids_1 = value.map(function (v) { return _this._getOptionId(v); });
    _this._optionMap.forEach(optionSelectedStateSetter);
}

if (Array.isArray(value)) {
    // convert values to ids
    var ids_1 = value.map(function (v) { return _this._getOptionId(v); });
    _this._optionMap.forEach(optionSelectedStateSetter);
}
isPropertyUpdated(changes, viewModel) {
        if (!changes.hasOwnProperty('model'))
            return false;
        var change = changes['model'];
        if (change.isFirstChange())
            return true;
        return core.looseIdentical(viewModel, change.currentValue);
    }

    var BUILTIN_ACCESSORS = [
        CheckboxControlValueAccessor,
        RangeValueAccessor,
        NumberValueAccessor,
        SelectControlValueAccessor,
        SelectMultipleControlValueAccessor,
        RadioControlValueAccessor,
    ];

    function isBuiltInAccessor(valueAccessor) {
        return BUILTIN_ACCESSORS.some(function (a) {
            return valueAccessor.constructor === a;
        });
    }

    function syncPendingControls(form, directives) {
        if (control._pendingChange)
            return;
        // TODO: vsavkin remove it once https://github.com/angular/angular/issues/3011 is implemented
        function selectValueAccessor(dir, valueAccessors) {
            if (!valueAccessors)
                return null;
            if (!Array.isArray(valueAccessors))
                _throwError(dir, 'Value accessor was not provided as an array for form control with');
            var defaultAccessor = undefined;
            var builtinAccessor = undefined;
            var customAccessor = undefined;
            valueAccessors.forEach(function (v) {
                if (v.constructor === DefaultValueAccessor) {
                    defaultAccessor = v;
                } else if (isBuiltInAccessor(v)) {
                    if (builtinAccessor)
                        _throwError(dir, 'More than one built-in value accessor matches form control with');
                    builtinAccessor = v;
                } else {
                    if (customAccessor)
                        _throwError(dir, 'More than one custom value accessor matches form control with');
                    customAccessor = v;
                }
            });
            if (customAccessor)
                return customAccessor;
            if (builtinAccessor)
                return builtinAccessor;
            if (defaultAccessor)
                return defaultAccessor;
            _throwError(dir, 'No valid value accessor for form control with');
            return null;
        }

        function _find(control, path, delimiter) {
            if (path == null)
                return null;
            if (!Array.isArray(path)) {
                path = path.split(delimiter);
            }
            if (Array.isArray(path) && path.length === 0)
                return null;
            // Not using Array.reduce here due to a Chrome 80 bug
            // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
            var controlToFind = control;
            path.forEach(function (name) {
                if (controlToFind instanceof FormGroup) {
                    controlToFind = controlToFind.controls.hasOwnProperty(name) ?
                        controlToFind.controls[name] :
                        null;
                } else if (Array.isArray(path)) {
                    controlToFind = controlToFind[index] || null;
                } else if (controlToFind instanceof FormArray) {
                    controlToFind = controlToFind.finder([name] in controlToFind.controls.hasOwnProperty(name) ?
                        controlToFind.controls[name] :
                        null;
                    }
                if (controlToFind === null)
                    return null;
                // Not using Array.reduce here due to a Chrome 80 bug
                // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
                var controlToFind = control;
            }
            return null;
        }

        function _throwError(dir, message) {
            ReactiveErrors._throwError(dir, message);
        }

        function _ngModelWarning(name, type, instance, warningConfig) {
            if (!core.isDevMode() || warningConfig === 'never')
                return;
            if (((warningConfig === null || warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
                (warningConfig === 'always' && 
                !type._ngModelWarningSent)) {
                ReactiveErrors._ngModelWarning(name);
                type._ngModelWarningSentOnce = true;
                instance._ngModelWarningSent = true;
            }
        }

        VALID = 'VALID';
        INVALID = 'INVALID';
        PENDING = 'PENDING';
        DISABLED = 'DISABLED';

        function _find(control, path, delimiter) {
            if (path == null)
                return null;
            if (!Array.isArray(path)) {
                path = path.split(delimiter);
            }
            if (Array.isArray(path) && path.length === 0)
                return null;
            // Not using Array.reduce here due to a Chrome 80 bug
            // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
            var controlToFind = control;
            path.forEach(function (name) {
                if (controlToFind instanceof FormGroup) {
                    controlToFind = controlToFind.controls.hasOwnProperty(name) ?
                        controlToFind.controls[name] :
                        null;
                } else if (controlToFind instanceof FormArray) {
                    controlToFind = controlToFind.finder([name] in controlToFind.controls.hasOwnProperty(name) ?
                        controlToFind.controls[name] :
                        null;
                    }
                if (controlToFind === null)
                    return null;
                // Not using Array.reduce here due to a Chrome 80 bug
                // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
                var controlToFind = control;
            }
            return null;
        }

        function _throwError(dir, message) {
            ReactiveErrors._throwError(dir, message);
        }

        function _ngModelWarning(name, type, instance, warningConfig) {
            if (!core.isDevMode() || warningConfig === 'never')
                return;
            if (((warningConfig === null || warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
                (warningConfig === 'always' && 
                !type._ngModelWarningSent)) {
                ReactiveErrors._ngModelWarning(name);
                type._ngModelWarningSentOnce = true;
                instance._ngModelWarningSent = true;
            }
        }

        /**
         * @license
         * Copyright Google Inc. All Rights Reserved.
         *
         * Use of this source code is governed by an MIT-style license that can be
         * found in the LICENSE file at https://angular.io/license
         */
    }

    function coerceToValidator(validatorOrOpts) {
        var validator = (isOptionsObj(validatorOrOpts) ?
            validatorOrOpts.validators :
            validatorOrOpts);
        return Array.isArray(validator) ?
            composeValidators(validator) : validator || null;
    }

    function coerceToAsyncValidator(asyncValidator,
The function that determines whether a control is dirty is defined as:

```
Object.defineProperty(AbstractControl.prototype, "dirty", {
  /**
   * A control is `dirty` if the user has not yet changed the value.
   * Programmatic changes to a control's value do not mark it dirty.
   *
   * @returns True if the user has not yet changed the value in the UI; compare `dirty`.
   * @see [Forms Guide](/guide/forms)
   */
  get: function () { return this._data.pristine; },
  enumerable: true,
  configurable: true
});
```

This function is part of the `AbstractControl` class and is defined as a property of the `AbstractControl` class. It returns `true` if the control has not yet been changed in the UI. Programmatic changes to a control's value do not mark it as dirty.

```
A control is `dirty` if the user has not yet changed the value in the UI.
```

The `dirty` property is used to determine whether a control has been changed by the user. It is marked as `false` by default and is updated if the value of the control is changed in the UI.

```
A control is marked `dirty` once the user has triggered a `blur` event on it.
```

The `dirty` property is used in conjunction with other properties to determine the status of a control. For example, a control is considered `dirty` if it has not been changed in the UI.

```
A control is `dirty` as long as its `status` is `DISABLED`.
```

The status of a control is determined by its `dirty` property, as well as other properties such as `valid`, `invalid`, `disabled`, and `enabled`. These properties are used to determine whether a control is valid or invalid, and whether it is enabled or disabled.

```
A control is `enabled` as long as its `status` is not `DISABLED`.
```

```
A control is `invalid` when its `status` is `INVALID`.
```

```
A control is `valid` when its `status` is `VALID`.
```

In summary, the `dirty` property is used to determine whether a control has been changed in the UI, and this information is used to determine the status of the control. The status of the control is determined by its `dirty`, `valid`, `invalid`, `disabled`, and `enabled` properties.
...
AbstractControl.prototype.markAsDirty = function (opts) {
    if (opts === void 0) { opts = { }; }
    this.pristine = false;
    if (this._parent &&
        !opts.onlySelf) {
        this._parent.markAsDirty(opts);
    }
    /* * Marks the control as `pristine`. * If the control has any children, marks all children as `pristine` and recalculates the `pristine` status of all parent controls. * @see `markAsUntouched()` * @param opts Configuration options that determine how the control emits events after marking is applied. * * `onlySelf`: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. 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Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false. * * `emitEvent`: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status and value when the control is enabled. * * `valueChanges`: observables emit events with the latest status and value when the control is disabled. * When false, no events are emitted. * * `onlySelf`: When true, marks only this control. When false or not supplied, marks all direct ancestors. Default is false.
null
```
```
names that designates how to move from the current control
* to the control that should be queried for errors.
* @usageNotes
* For example, for the following `FormGroup`:
* ```
* form = new FormGroup(
*   { address: new FormGroup(
*     { street: new FormControl() })
*   });
* ```
* The path to the 'street' control from the root form would be 'address' -> 'street'.
* @returns error data for that particular error. If the control or error is not present,
* null is returned.
* @method AbstractControl.prototype.getError
* @description
* Reports whether the control with the given path has the error specified.
* @param errorCode The code of the error to check
* @param path A list of control names that designates how to move from the current control
* to the control that should be queried for errors.
* @returns whether the given error is present in the control at the given path.
* If the control is not present, false is returned.
* @method AbstractControl.prototype.hasError
* @description
* Reports whether the control with the given path has the error specified.
* If the control is not present, false is returned.
* @param errorCode The code of the error to check
* @param path A list of control names that designates how to move from the current control
* to the control that should be queried for errors.
* @returns whether the given error is present in the control at the given path.
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* @param path A list of control names that designates how to move from the current control
* to the control that should be queried for errors.
* @returns whether the given error is present in the control at the given path.
* If the control is not present, false is returned.
* @method AbstractControl.prototype.hasError
* @description
* Reports whether the control with the given path has the error specified.
* If the control is not present, false is returned.
* @param errorCode The code of the error to check
* @param path A list of control names that designates how to move from the current control
* to the control that should be queried for errors.
* @returns whether the given error is present in the control at the given path.
* If the control is not present, false is returned.
* @method AbstractControl.prototype.hasError
* @description
* Reports whether the control with the given path has the error specified.
* If the control is not present, false is returned.
* @param errorCode The code of the error to check
* @param path A list of control names that designates how to move from the current control
* to the control that should be queried for errors.
* @returns whether the given error is present in the control at the given path.
* If the control is not present, false is returned.
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* to the control that should be queried for errors.
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* @param errorCode The code of the error to check
* @param path A list of control names that designates how to move from the current control
* to the control that should be queried for errors.
* @returns whether the given error is present in the control at the given path.
* If the control is not present, false is returned.
AbstractControl.prototype._setUpdateStrategy = function (opts) {
    if (isOptionsObj(opts) && opts.updateOn !== null) {
        this._updateOn = opts.updateOn;
    } else {
        this._updateOn = (parentDirty) ? 'submit' : 'blur';
    }
    if (parentDirty) {
        this._parentMarkedDirty(true);
    }
}

AbstractControl.prototype._parentMarkedDirty = function (onlySelf) {
    var parentDirty = this._parent &&
        this._parent.dirty;
    return onlySelf && parentDirty &&
        this._parent.anyControlsDirty();
}

return AbstractControl;
}();
/**
Tracks the value and validation status of an individual form control.

This is one of the three fundamental building blocks of Angular forms, along with `FormGroup` and `FormArray`. It extends the `AbstractControl` class that implements most of the base functionality for accessing the value, validation status, user interactions and events.

* @see `AbstractControl`

* @see [Reactive Forms Guide](guide/reactive-forms)
* @see [Usage Notes](#usage-notes)

* @usageNotes

### Initializing Form Controls

Instantiate a `FormControl`, with an initial value:

```ts
new FormControl('some value');
```

This allows you to set the default value for the control. If you want to set the `disabled` state:

```ts
new FormControl('some value', { disabled: true });
```

The following example initializes the control using an options object:

```ts
new FormControl({ value: 'test', disabled: true });
```

### Resetting the Control

Reset a `FormControl` to its default value and state:

```ts
control.reset();
```

This is useful when you want to reset the control to its initial state:

```ts
control.reset('test');
```

If you want to reset the control back to a specific state by passing through a standalone value or a form state object that contains both a value and a disabled state:

```ts
new FormControl('test', { value: 'test', disabled: true });
```

### Configuring Form Controls

Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

```ts
control.updateOn = null;
```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

### Configuring Form Controls

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control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

### Configuring Form Controls

Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

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You can also set the `asyncValidator` option to an array of async validator functions:

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control.asyncValidator = [myAsyncValidator];
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### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
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The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

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```ts
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```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

### Configuring Form Controls

Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

```ts
control.updateOn = null;
```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

### Configuring Form Controls

Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

```ts
control.updateOn = null;
```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

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Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

```ts
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```

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```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

### Configuring Form Controls

Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

```ts
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```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
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control.asyncValidator = [myAsyncValidator];
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The following example initializes the control using an options object.

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```ts
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```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

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The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```

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Controls have a set of options that control their behavior. You can configure the `updateOn` option to `null` to update on a blur event:

```ts
control.updateOn = null;
```

Or, set it to `submit` to update on a submit event:

```ts
control.updateOn = 'submit';
```

You can also set the `asyncValidator` option to an array of async validator functions:

```ts
control.asyncValidator = [myAsyncValidator];
```

### Resetting the Control

Reset the control back to an initial value:

```ts
control.reset();
```

The following example initializes the control using an options object.

```ts
new FormControl({ value: 'test', disabled: true });
```
control, and not its parent. Default is
* false.
* `emitEvent`: When true or not supplied (the default), both the `statusChanges` and
`valueChanges` observables emit events with the latest status and
value when the control value is updated.
* When false, no events are emitted.
* `emitModelToViewChange`: When true or not supplied (the default), each change triggers an
`onChange` event to
* update the view.
* `emitViewToModelChange`: When true or not supplied (the default), each change triggers an
`ngModelChange` event to update the model.

FormControl.prototype.setValue = function (value, options) {
    var _this = this;
    if (options === void 0) { options = {}; }
    this.value = this._pendingValue = value;
    if (this._onChange.length &&
        options.emitModelToViewChange !== false) {
        this._onChange.forEach(function (changeFn) { return
            changeFn(_this.value, options.emitViewToModelChange !== false); });
    }
    if (this.updateValueAndValidity(options)) {
        if (formState === void 0) { formState = null; }
        if (options === void 0) { options = {};
            this.value = this._pendingValue = value;
            if (this._onChange.length &&
                options.emitModelToViewChange !== false) {
                this._onChange.forEach(function (changeFn) { return
                    changeFn(_this.value, options.emitViewToModelChange !== false); });
                this._applyFormState(formState);
                this.markAsPristine(options);
            }
        };
    }
    this.markAsUntouched(options);
    this.setValue(this.value, options);
    this._pendingChange = false;
    if (options === void 0) { options = {};
        this.value = this._pendingValue = value;
        if (this._onChange.length &&
            options.emitModelToViewChange !== false) {
            this._onChange.forEach(function (changeFn) { return
                changeFn(_this.value, options.emitViewToModelChange !== false); });
        }
    }
    this._applyFormState(formState);
    this.markAsPristine(options);
}

FormControl.prototype.patchValue = function (value, options) {
    if (options === void 0) { options = {};
        this.setValue(value, options);
    }
    if (this._isBoxedValue(formState)) {
        this.value = this._pendingValue = value;
    }
    if (this._onChange.length &&
        options.emitModelToViewChange !== false) {
        this._onChange.forEach(function (changeFn) { return
            changeFn(_this.value, options.emitViewToModelChange !== false); });
        this._applyFormState(formState);
        this.markAsPristine(options);
    }
    this.setValue(this._pendingValue, { onlySelf: true, emitModelToViewChange: false });
    return true;
}

FormControl.prototype.updateValueAndValidity = function (fn) {
    this.updateValueAndValidity(options);
    if (this.updateOn ===
        FormControl.prototype._updateValue = function () {
        if (this._isBoxedValue(formState)) {
            this.value = this._pendingValue = formState.value;
            formState.disabled ? this.disable({ onlySelf: true, emitEvent: false }) : 
                this.enable({ onlySelf: true, emitEvent: false });
            this._pendingValue = formState;
            return FormControl;
        };
    }
    return false;
}

* `valueChanges`
* observables emit events with the latest status and value when the control is reset.
* When false, no events are emitted.
* FormControl.prototype.reset = function (formState, options) {
    if (formState === void 0) { formState = null; }
    if (options === void 0) { options = {};
        this.value = this._pendingValue = value;
    }
    if (this.updateValueAndValidity(options)) {
        FormControl.prototype._updateValue = function () {
        if (this._isBoxedValue(formState)) {
            this.value = this._pendingValue = formState.value;
            formState.disabled ? this.disable({ onlySelf: true, emitEvent: false }) : 
                this.enable({ onlySelf: true, emitEvent: false });
            this._pendingValue = formState;
            return FormControl;
        };
    }
    this.setValue(value, options);
    FormControl.prototype._updateValue = function () {
        if (this._isBoxedValue(formState)) {
            this.value = this._pendingValue = formState.value;
            formState.disabled ? this.disable({ onlySelf: true, emitEvent: false }) : 
                this.enable({ onlySelf: true, emitEvent: false });
            this._pendingValue = formState;
            return FormControl;
        };
    }
    return false;
}

* `valueChanges`
* observables emit events with the latest status and value when the control is reset.
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* FormControl.prototype.reset = function (formState, options) {
    if (formState === void 0) { formState = null; }
    if (options === void 0) { options = {};
        this.value = this._pendingValue = value;
    }
    if (this.updateValueAndValidity(options)) {
        FormControl.prototype._updateValue = function () {
        if (this._isBoxedValue(formState)) {
            this.value = this._pendingValue = formState.value;
            formState.disabled ? this.disable({ onlySelf: true, emitEvent: false }) : 
                this.enable({ onlySelf: true, emitEvent: false });
            this._pendingValue = formState;
            return FormControl;
        };
    }
    return false;
}

* `valueChanges`
* observables emit events with the latest status and value when the control is reset.
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* FormControl.prototype.reset = function (formState, options) {
    if (formState === void 0) { formState = null; }
    if (options === void 0) { options = {};
        this.value = this._pendingValue = value;
    }
    if (this.updateValueAndValidity(options)) {
        FormControl.prototype._updateValue = function () {
        if (this._isBoxedValue(formState)) {
            this.value = this._pendingValue = formState.value;
            formState.disabled ? this.disable({ onlySelf: true, emitEvent: false }) : 
                this.enable({ onlySelf: true, emitEvent: false });
            this._pendingValue = formState;
            return FormControl;
        };
    }
    return false;
}
status by reducing the status values of its children. For example, if one of the controls in a group is invalid, the entire group becomes invalid. "FormGroup" is one of the three fundamental building blocks used to define forms in Angular, along with "FormControl" and "FormArray". When instantiating a "FormGroup", pass in a collection of child controls as the first argument. The key for each child registers the name for the control. * @usageNotes * @param name The control name to register in the collection * @param control Provides the control for the given name * const form = new FormGroup({ * @param asyncValidator A single async validator or array of async validators * @param validatorOrOpts A synchronous validator function, or an array of validators or an `AbstractControlOptions` object that contains validation functions and a validation trigger. * @param asyncValidatorOrOpts A synchronous validator function, or an array of such functions, or an `AbstractControlOptions` object that contains validation functions and a validation trigger. * @param name The control name to register in the collection * @param control Provides the control for the given name * FormGroup.prototype.registerControl = function (name, control) { * if (this.controls[name]) return this.controls[name]; * return null; }
  
  FormGroup.prototype.addControl = function (name, control) {
    this.registerControl(name, control);
    this.updateValueAndValidity();
  }

  FormGroup.prototype.removeControl = function (name) {
    if (this.controls[name])
      return this.controls[name];
    return null; }
control Provides the control for the given name

```typescript
FormGroup.prototype.setControl = function (name, control) {
    if (this.controls[name])
        return this._throwIfControlMissing(name);
    this.controls[name] = control;
    Object.keys(control).forEach(function (key) {
        this.controls[name][key] = control[key];
    }, this);
    Object.keys(control).forEach(function (key) {
        this.registerControl(name, key, control[key]);
    }, this);
    this.setControl(name, control);
    this.updateValueAndValidity();
    return this;
}
```

* @param controlName The control name to check for existence in the collection
* @returns false for disabled controls, true otherwise.

```typescript
FormGroup.prototype.contains = function (controlName) {
    return this.controls.hasOwnProperty(controlName) &&
        this.controls[controlName].enabled;
}
```

* @param controlName The control name to check for existence in the collection
* @returns false for disabled controls, true otherwise.

```typescript
FormGroup.prototype.setValue = function (value, options) {
    var _this = this;
    if (options === void 0) { options = {}; }
    this._checkAllValuesPresent(value);
    Object.keys(value).forEach(function (controlName) {
        if (options === void 0) { options = {}; }
        this._checkAllValuesPresent(value);
        var this = this;
        var onlySelf = false;
        this._controlMissing(name); this.controls[name].setValue(value[name], { onlySelf: true, emitEvent: options.emitEvent });
    }, this);
    this.updateValueAndValidity();
    return this;
}
```

* @param value The new value
* @param options Configuration options that determine how the control propagates changes
* and emits events after the value changes.

```typescript
FormGroup.prototype.patchValue = function (value, options) {
    var _this = this;
    if (options === void 0) { options = {}; }
    this._checkAllValuesPresent(value);
    if (value) {
        Object.keys(value).forEach(function (controlName) {
            var _this = this;
            var onlySelf = false;
            this._controlMissing(name); this.controls[name].patchValue(value[name], { onlySelf: true, emitEvent: options.emitEvent });
        }, this);
    }
    this.updateValueAndValidity();
    return this;
}
```

* @param value The value for the form group
* @param options Configuration options that determine how the control propagates changes
* and emits events after the value changes.

```typescript
FormGroup.prototype.updateValueAndValidity = function () {
    this._checkAllValuesPresent();
    this._updateValueAndValidity();
}
```

* @param valueChanges
* observables emit events with the latest status and value when the control value is updated.
* When false, no events are emitted.

```typescript
FormGroup.prototype.contains = function (controlName) {
    return this.controls.hasOwnProperty(controlName) &&
        this.controls[controlName].enabled;
}
```

* @param controlName The control name to check for existence in the collection
* @returns false for disabled controls, true otherwise.

```typescript
FormGroup.prototype.contains = function (controlName) {
    return this.controls.hasOwnProperty(controlName) &&
        this.controls[controlName].enabled;
}
```

* @param controlName The control name to check for existence in the collection
* @returns false for disabled controls, true otherwise.

```typescript
FormGroup.prototype.contains = function (controlName) {
    return this.controls.hasOwnProperty(controlName) &&
        this.controls[controlName].enabled;
}
```

* @param controlName The control name to check for existence in the collection
* @returns false for disabled controls, true otherwise.
an initial value, or an object that defines the initial value and disabled state. * @param options Configuration options that determine how the control propagates changes and emits events when the group is reset. * `onlySelf`: When true, each change only affects this control, and not its parent. Default is `false`. * `emitEvent`: When true or not supplied (the default), both the 'statusChanges' and 'valueChanges' observables emit events with the latest status and value when the control is reset. * When false, no events are emitted. * The configuration options are passed to the { @link AbstractControl#updateValueAndValidity} method. * It excludes disabled controls in the 'FormGroup'. * it excludes disabled controls in the 'FormGroup'. * @usageNotes

```ts
const form = new FormGroup({
  first: new FormControl('first name'),
  last: new FormControl('last name')
});

form.reset({
  first: {value: 'name', disabled: true},
  last: 'last'
});

const form2 = form.snapshotValue({onlySelf: true});

console.log(form.form.get('first').status);  // 'DISABLED'

form.setValue({});

console.log(form.value);  // {first: 'first name', last: 'last name'}

form.reset({});

console.log(form.value);  // {first: 'name', last: 'last name'}
```

* `valueChanges`

`FormGroup.prototype._reduceChildren = function (initValue, fn) {
    var res = initValue;
    this._forEachChild(function (control, name) {
        res = fn(res, control, name);
    });
    return res;
};`

* observables emit events with the latest status and value when the control is reset.

```ts
FormGroup.prototype._setUpControls = function () {
    var _this = this;
    console.log(this.form.get('first').status);  // 'DISABLED'
}
```

* `emitEvent` : options.emitEvent });

```ts
this._updatePristine(options);
```

* `statusChanges` and emits events with the latest status when the control is reset.

```ts
FormGroup.prototype._reduceChildren = function (initValue, fn) {
    var res = initValue;
    this._forEachChild(function (control, name) {
        res = fn(res, control, name);
    });
    return res;
}
```

* `statusChanges` observables emit events with the latest status when the control is reset.

```ts
FormGroup.prototype._reduceValue = function () {
    var _this = this;
    return this._reduceChildren({});
}
```

* it excludes disabled controls in the 'FormGroup'. * * `valueChanges` observables emit events with the latest value when the control is reset.

```ts
FormGroup.prototype._setUpControls = function () {
    var _this = this;
    console.log(this.form.get('first').status);  // 'DISABLED'
}
```

* `valueChanges` observables emit events with the latest value when the control is reset.
this.controls[index]._registerOnCollectionChange(function () { });
this.controls.splice(index, 1);
this.controls.setValue(formArray, { private: function (value, options) { if (options === void 0) { options = {}; }
            value.forEach(function (newValue, index) {
                _this.at(index).setValue(newValue, { onlySelf: true, emitEvent: options.emitEvent });
            });
            this.updateValueAndValidity(options);
        };
        /**
         * Sets the value of the `FormArray`. It accepts an array that matches the structure of the control.
         * It performs strict checks, and throws an error if you try to set the value of a control that doesn't exist or if you exclude the values of a control.
         *
         * It accepts both super-sets and sub-sets of the array without throwing an error.
         * It also allows you to change the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control value is updated.
         * When false, no events are emitted.
         *
         * @param options Configure options that determine how the control propagates changes and emits events after the value changes
         * @param value Array of latest values for the controls
         */
        FormArray.prototype.setValue = function (value, options) {
            var _this = this;
            if (options === void 0) { options = {}; }
            this._checkAllValuesPresent(value);
            this.updateValueAndValidity();
            var var_this = this;
            if (options === void 0) { options = {}; };
            this._checkAllValuesPresent(value);
            value.forEach(function (newValue, index) { var this.at(index).setValue(newValue, { onlySelf: true, emitEvent: options.emitEvent }); });
            this.updateValueAndValidity();
        };
        /**
         * Patches the value of the `FormArray`. It accepts an array that matches the structure of the control and does its best to match the values to the correct controls in the group.
         *
         * It accepts both super-sets and sub-sets of the array without throwing an error.
         * It also allows you to change the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control value is updated.
         * When false, no events are emitted.
         *
         * @param options Configure options that determine how the control propagates changes and emits events after the value changes
         * @param value Array of latest values for the controls
         */
        FormArray.prototype.patchValue = function (value, options) {
            var _this = this;
            if (options === void 0) { options = {}; }
            this._checkAllValuesPresent(value);
            value.forEach(function (newValue, index) {
                _this.at(index).patchValue(newValue, { onlySelf: true, emitEvent: options.emitEvent });
            });
            this.updateValueAndValidity();
        };
        /**
         * Removes the control at the given `index` in the array.
         *
         * @param index The `AbstractControl` control to remove from the array.
         */
        FormArray.prototype.removeAt = function (index) { if (this.controls[index])
            this.controls[index]._registerOnCollectionChange(function () { });
            this.controls.splice(index, 1);
            if (control) { this.controls.splice(index, 0, control);
            this._registerControl(control);
            }
            this.updateValueAndValidity();
        };
        /**
         * Replace an existing control.
         *
         * @param index Index in the array to replace the control
         * @param control The `AbstractControl` control to replace the existing control
         */
        FormArray.prototype.setControl = function (index, control) {
            if (this.controls[index])
                this.controls[index]._registerOnCollectionChange(function () { });
            this.controls.splice(index, 1);
            if (control) { this.controls.splice(index, 0, control);
                this._registerControl(control);
            }
            this.updateValueAndValidity();
        };
        /**
         * Remove the control at the given `index` in the array.
         *
         * @param index Index in the array to remove the control
         */
        FormArray.prototype.removeAt = function (index) { if (this.controls[index])
            this.controls[index]._registerOnCollectionChange(function () { });
            this.controls.splice(index, 1);
            if (control) { this.controls.splice(index, 0, control);
                this._registerControl(control);
            }
            this.updateValueAndValidity();
        };
        Object.defineProperty(FormArray.prototype, "length", { enumerable: true, configurable: true });
        /**
         * Length of the control array.
         *
         * @return this.controls.length
         */
        get: function () { return this.controls.length; },
    }

    **
     * The `FormArray` class provides a way to manage collections of controls.
     * It is similar to the `Array` class but with additional methods for managing
     * controls in a form group.
     *
     * It allows you to:
     * - Set the values for the controls in the form array
     * - Patch the values for controls in a form array
     * - Remove the control at the given `index` in the array
     * - Replace an existing control
     * - Remove the control at the given `index` in the array
     *
     * @constructor
     *
     * @param value Array of latest values for the controls
     */
    FormArray = function FormArray() {
        this._controls = new Map();
        this._values = new Map();
        this._statusChanges = new Map();
        this._valueChanges = new Map();
        this._value = new Map();
        this._dirty = false;
        this._isTracked = false;
        this._updateValueAndValidity();
    }

    FormArray.prototype._registerControl = function (control) {
        var _this = this;
        if (this.controls[control])
            this.controls[control]._registerOnCollectionChange(function () { });
            this.updateValueAndValidity();
        };
        /**
         * Replace an existing control.
         *
         * @param index Index in the array to replace the control
         * @param control The `AbstractControl` control to replace the existing control
         */
        FormArray.prototype.setControl = function (index, control) {
            if (this.controls[index])
                this.controls[index]._registerOnCollectionChange(function () { });
            this.controls.splice(index, 1);
            if (control) { this.controls.splice(index, 0, control);
                this._registerControl(control);
            }
            this.updateValueAndValidity();
        };
        /**
         * Remove the control at the given `index` in the array.
         *
         * @param index Index in the array to remove the control
         */
        FormArray.prototype.removeAt = function (index) { if (this.controls[index])
            this.controls[index]._registerOnCollectionChange(function () { });
            this.controls.splice(index, 1);
            if (control) { this.controls.splice(index, 0, control);
                this._registerControl(control);
            }
            this.updateValueAndValidity();
        };
        /**
         * Remove the control at the given `index` in the array.
         *
         * @param index Index in the array to remove the control
         */
        FormArray.prototype.removeAt = function (index) { if (this.controls[index])
            this.controls[index]._registerOnCollectionChange(function () { });
            this.controls.splice(index, 1);
            if (control) { this.controls.splice(index, 0, control);
                this._registerControl(control);
            }
            this.updateValueAndValidity();
        };
        Object.defineProperty(FormArray.prototype, "length", { enumerable: true, configurable: true });
        /**
         * Length of the control array.
             */
            get: function () { return this.controls.length; },
    }


all descendants to null or null maps.

* You reset a specific form state by passing in an array of states that matches the structure of the control. The state is a standalone value or a form state object with both a value and a disabled status.

* @usageNotes

## Reset the values in a form array

```ts
const arr = new FormArray([new FormControl(), new FormControl(), ...
```)

## Remove all elements from a form array

```ts
for (const control of arr) {
    child._registerOnCollectionChange(function () { });
}
```

## Reset the values in a form array and the disabled status for the first control

```ts
arr.reset({ value: 'name', disabled: true });
```

## Remove all form controls registered with this array yet

```ts
if (!this.controls.length) {
    throw new Error("There are no form controls registered with this array yet. If you're using ngModel, you may want to check next tick (e.g. use setTimeout())
    arr.reset({ value: 'name', disabled: true });
```)

## Remove all controls in the `FormArray`

```ts
arr.clear();
```

## Remove all elements from a form array

```ts
while (arr.length) {
    arr.removeAt(0);
}
```

## Reset the values in a form array

```ts
arr.reset(['name', 'last name']);
```

## Reset the values in a form array and the disabled status for the first control

```ts
arr.reset({ value: 'name', disabled: true });
```

## Remove all controls in the `FormArray`

```ts
arr.clear();
```

## Reset the values in a form array

```ts
arr.reset(['name', 'last name']);
```

## Remove all elements from a form array

```ts
while (arr.length) {
    arr.removeAt(0);
}
```

## Reset the values in a form array and the disabled status for the first control

```ts
arr.reset({ value: 'name', disabled: true });
```

## Remove all controls in the `FormArray`

```ts
arr.clear();
```
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```typescript
FormArray.prototype._checkAllValuesPresent = function (value) {
    if (value[i] === undefined) {
        throw new Error("Must supply a value for form control at index: \'" + i + \\
    ;\'\'\' );
    }
};
/** @internal */
FormArray.prototype._allControlsDisabled = function () {
    var e_2_1;
    try {
        for (var _b = __values(this.controls), _c = _b.next(); !_c.done; _c = _b.next()) {
            var control = _c.value;
            if (control.enabled) {
                return false;
            }
        }
    } finally { if (e_2) throw e_2.error; }
    return this.controls.length > 0 ||
    FormArray.prototype.registerControl = function (control) {
        control.setParent(this);
        control._registerOnCollectionChange(this._onCollectionChange);
    };
    FormArray.prototype._registerControl = function (control) {
        control.setParent(this);
        control._registerOnCollectionChange(this._onCollectionChange);
    };
    FormArray.prototype._checkAllValuesPresent = function (value) {
        if (value[i] === undefined) {
            throw new Error("Must supply a value for form control at index: \'" + i + \\
            ;\'\'\' );
        }
    };
    /** @internal */
    FormArray.prototype._allControlsDisabled = function () {
        var e_2_1;
        try {
            for (var _b = __values(this.controls), _c = _b.next(); !_c.done; _c = _b.next()) {
                var control = _c.value;
                if (control.enabled) {
                    return false;
                }
            }
        } finally { if (e_2) throw e_2.error; }
        return this.controls.length > 0 ||
    }
    FormArray.prototype.registerControl = function (control) {
        control.setParent(this);
        control._registerOnCollectionChange(this._onCollectionChange);
    };
    FormArray.prototype._registerControl = function (control) {
        control.setParent(this);
        control._registerOnCollectionChange(this._onCollectionChange);
    };
    FormArray.prototype._checkAllValuesPresent = function (value) {
        if (value[i] === undefined) {
            throw new Error("Must supply a value for form control at index: \'" + i + \\
        ;\'\'\' );
    }
};
/** @internal */
FormArray.prototype._allControlsDisabled = function () {
    var e_2_1;
    try {
        for (var _b = __values(this.controls), _c = _b.next(); !_c.done; _c = _b.next()) {
            var control = _c.value;
            if (control.enabled) {
                return false;
            }
        }
    } finally { if (e_2) throw e_2.error; }
    return this.controls.length > 0 ||
```
Lifecycle method called after the view is initialized. For internal use only.

```typescript
NgForm.prototype.ngAfterViewInit = function () { this._setUpdateStrategy(); };
```

Object.defineProperty(NgForm.prototype, "formDirective", { get: function () { return this; }, enumerable: true, configurable: true });

Object.defineProperty(NgForm.prototype, "control", { get: function () { return this.form; }, enumerable: true, configurable: true });

```typescript
/**
 * @description
 * The internal `FormGroup` instance.
 * Always returns a map of the controls in this group.
 * @param value The new value for the directive instance.
 * @returns {any[]}
 */
NgForm.prototype.addFormGroup = function (dir) {
    var _this = this;
    resolvedPromise.then(function () {
        var container = _this._findContainer(dir.path);
        if (container) {
            container.removeControl(dir.name);
        }
        dir = _this._findContainer(dir.path);
        dir.control.updateValueAndValidity({ emitEvent: false });
        container.registerControl(dir.name, dir.control);
        setUpControl(dir.control, dir);
    });
}
```

```typescript
/**
 * @description
 * Removes the `NgModel` instance from the internal list of directives.
 * @param dir The `NgModel` directive instance.
 */
NgForm.prototype.removeControl = function (dir) {
    var _this = this;
    resolvedPromise.then(function () {
        var container = _this._findContainer(dir.path);
        if (container) {
            container.removeControl(dir.name);
        }
    });
}
```

```typescript
/**
 * @description
 * Retrieves the `FormControl` instance from the provided `NgModel` directive.
 * @param value The new value.
 * @returns {any}
 */
NgForm.prototype.getControl = function (dir) { return this.form.get(dir.path); }
```

```typescript
/**
 * @description
 * Method that sets up the control directive in this group, re-calculates its value
 * and validity, and adds the instance to the internal list of directives.
 * @param value The new value.
 * @returns {any[]}
 */
NgForm.prototype.updateModel = function (dir, value) {
    var _this = this;
    resolvedPromise.then(function () {
        var container = _this._findContainer(dir.path);
        if (container) {
            container.removeControl(dir.name);
        }
        dir.control =
        NgModelGroup.prototype.getControl = function (dir) { return this.form.get(dir.path); };
```

```typescript
/**
 * @description
 * Removes the `NgModel` instance from the form.
 * @param dir The `NgModel` directive instance.
 */
NgForm.prototype.removeFormGroup = function (dir) {
    var _this = this;
    resolvedPromise.then(function () {
        var container = _this._findContainer(dir.path);
        if (container) {
            container.removeControl(dir.name);
        }
    });
}
```

```typescript
/**
 * @description
 * Adds a new `NgModelGroup` directive instance to the form.
 * @param dir The `NgModelGroup` directive instance.
 */
NgForm.prototype.addFormGroup = function (dir) {
    var _this = this;
    resolvedPromise.then(function () {
        var container = _this._findContainer(dir.path);
        if (container) {
            container.removeControl(dir.name);
        }
    });
}
```

```typescript
/**
 * @description
 * Removes the `NgModelGroup` directive instance from the form.
 * @param dir The `NgModelGroup` directive instance.
 */
NgForm.prototype.removeFormGroup = function (dir) {
    var _this = this;
    resolvedPromise.then(function () {
        var container = _this._findContainer(dir.path);
        if (container) {
            container.removeControl(dir.name);
        }
    });
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    container.setValue(value);
}
```

```typescript
/**
 * @description
 * Gets the `FormGroup` instance.
 * @returns {FormGroup}
 */
NgForm.prototype.getFormGroup = function (dir) { return container.form.get(dir.path); }
```

```typescript
/**
 * @description
 * Sets the value for this `FormGroup`.
 * @param value The new value.
 * @returns {any[]}
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
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}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```

```typescript
/**
 * @description
 * Triggers the `ngSubmit` emitter to emit the `submit` event as its payload.
 * @param event The "submit" event object.
 * @returns {any[]}
 */
NgForm.prototype.onSubmit = function (event) {
    this.controlSubmit.emit({ emitEvent: false });
    this._setUpdateStrategy();
}
```

```typescript
/**
 * @description
 * Sets the value for the provided `NgControl` directive.
 * @param value The new value for the directive’s control.
 */
NgForm.prototype.setValue = function (value) {
    this.control.setValue(value);
}
```
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TemplateDrivenErrors = /** @class */ (function () {
  function TemplateDrivenErrors() {
    throw new Error("\n      \n      ngModel cannot be used to register form controls with a parent formGroup directive. Try using\n      formGroup's partner directive \"formControlName\" instead. Example:\n      \n      \+ FormErrorExamples.formControlName + \n\n      Or, if you'd like to avoid registering this form control, indicate that it's standalone in ngModelOptions:\n      \n      Example:\n      \n\n      \+ FormErrorExamples.ngModelWithFormGroup;\n    };

    TemplateDrivenErrors.modelParentException = function () {
      throw new Error("\n      ngModel cannot be used to register form controls with a parent formGroupName or formArrayName directive.\n\n      Option 1: Use formGroupName instead of ngModel (reactive strategy):\n\n      \+ FormErrorExamples.formGroupName + \n\n      Option 2: Update ngModel's parent be ngModelGroup (template-driven strategy):\n\n\n      \+ FormErrorExamples.ngModelGroup;\n    };

    TemplateDrivenErrors.formGroupNameException = function () {
      throw new Error("\n      ngModel cannot be used to register form controls with a parent formGroupName directive.\n\n      Option 1: Use formGroupName instead of ngModel (reactive strategy):\n\n      \+ FormErrorExamples.formGroupName + \n\n      Option 2: Update ngModel's parent be ngModelGroup (template-driven strategy):\n\n\n      \+ FormErrorExamples.ngModelGroup;\n    };

    TemplateDrivenErrors.missingNameException = function () {
      throw new Error("If ngModel is used within a form tag, either the name attribute must be set or the\n      form control must be defined as 'standalone' in ngModelOptions.\n\n      Example 1: <input\n      \n      [(ngModel)]="\"person.firstName\" name="first"">\n\n      Example 2: <input\n      \n      [(ngModel)]="\"person.firstName\" [ngModelOptions]="\"{standalone: true}\"">\n    };

    TemplateDrivenErrors.modelGroupParentException = function () {
      throw new Error("\n      ngModelGroup cannot be used with a parent formGroup directive.\n\n      Option 1: Use formGroupName instead of ngModelGroup (reactive strategy):\n\n      \+ FormErrorExamples.formGroupName + \n\n      Option 2: Use a regular form tag instead of the formGroup directive (template-driven strategy):\n\n\n      \+ FormErrorExamples.ngModelGroup;\n    };

    return TemplateDrivenErrors;
  }();

  /**
   * @license
   * Copyright Google Inc. All Rights Reserved.
   *
   * Use of this source code is governed by an MIT-style license that can be
   * found in the LICENSE file at https://angular.io/license
   */
  var modelGroupProvider = {
    provide: ControlContainer,
    useExisting: core.forwardRef(function () { return NgModelGroup; })
  };

  /**
   * @description
   * Creates and binds a `FormGroup` instance to a DOM
   * element.
   *
   * This directive can only be used as a child of `NgForm` (within `<form>` tags).
   *
   * Provide a name for the sub-group and it will become the key
   * for the sub-group in the form's full value. If you need direct
   * access, export the directive into a local template variable using `ngModelGroup` (ex:
   * '#myGroup="ngModelGroup()"').
   * @usageNotes
   * The following example shows you how to combine controls together in a sub-group
   * of the form:
   * @ngModule FormsModule
   * @publicApi
   */
  class NgModelGroup {
    constructor(parent, validators, asyncValidators) {
      this._parent = parent;
      this._validators = validators;
      this._asyncValidators = asyncValidators;
    }

    _checkParentType() {
      if (!(this._parent instanceof NgModelGroup) && !(this._parent instanceof NgForm)) {
        TemplateDrivenErrors.modelGroupParentException();
      }
    }

    _extends(NgModelGroup, super) {
      @ NgModule FormsModule
      @ publicApi
      var NgModelGroup = /** @class */ (function () {
        function NgModelGroup(parent, validators, asyncValidators) {
          this._parent = parent;
          this._validators = validators;
          this._asyncValidators = asyncValidators;
        }

        @template extends(NgModelGroup, super);
        function NgModelGroup.prototype._checkParentType = function () {
          if (!(this._parent instanceof NgModelGroup) & & !(this._parent instanceof NgForm)) {
            TemplateDrivenErrors.modelGroupParentException();
          }
        }

        NgModelGroup.prototype._decorate = function () {
          this._name = 'ngModelGroup';
          this._metadata = 'design: paramtypes',
          this._addControl(core.Directive{
            selector: '[ngModelGroup]',
            providers: [modelGroupProvider],
            exportAs: 'ngModelGroup' });
        }

        NgModelGroup.prototype._prototype = function () {
          return NgModelGroup;
        }
      }());
    }
  }
**Open Source Used in MSX SD-WAN Service Pack 3.9.0**

---

```typescript
// This is a general setting problem when using `exportAs` for directives!

@Input() publicNgModel: any = null;

@Input()
publicshowMoreOptions: boolean = false;

@Input()
publicmyValue: string = null;

{{myModel.valid}}
<input [(ngModel)]="myValue" myModel="ngModel">
```
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```
/**
 * @description
 * Event emitter for producing the `ngModelChange` event after
 * the view model updates.
 */

this.update = new core.EventEmitter();

this.rawValidators = validators || [];

this.asyncValidators = asyncValidators || [];

this.valueAccessor = selectValueAccessor(this, valueAccessors);

return this;

/**
 * @description
 * A lifecycle method called when the directive's inputs change. For internal use
 * only.
 */

@Param changes A object of key/value pairs for the set of changed inputs.

NgModel.prototype.ngOnChanges = function (changes) {
    if (!this._registered)
        this._setUpControl();
    if ('isDisabled' in changes) {
        this._updateDisabled(changes);
    }
    if (isPropertyUpdated(changes, this.viewModel)) {
        this._updateValue(this.model);
        this.viewModel = this.model;
    }
};

/**
 * @description
 * Lifecycle method called before the directive's instance is destroyed. For internal use
 * only.
 */

NgModel.prototype.ngOnDestroy = function () {
    if (this.formDirective &&
        this.formDirective.removeControl(this));
};

Object.defineProperty(NgModel.prototype, "path", {
    /**
     * @description
     * Returns an array that represents the path from the top-level form to this
     * control.
     * Each index is the string name of the control on that level.
     */
    get: function () {
        return this._parent ? controlPath(this.name, this._parent) : [this.name];
    },
    enumerable: true,
    configurable: true
});

Object.defineProperty(NgModel.prototype, "formDirective", {
    /**
     * @description
     * The top-level directive for this control if present, otherwise null.
     */
    get: function () { return this._parent ? this._parent.formDirective : null; },
    enumerable: true,
    configurable: true
});

Object.defineProperty(NgModel.prototype, "validator", {
    /**
     * @description
     * Synchronous validator function composed of all the synchronous validators
     * registered with this directive.
     */
    get: function () { return composeValidators(this._rawValidators); },
    enumerable: true,
    configurable: true
});

Object.defineProperty(NgModel.prototype, "asyncValidator", {
    /**
     * @description
     * Async validator function composed of all the
     * async validators registered with this
     * directive.
     */
    get: function () {
        return composeAsyncValidators(this._rawAsyncValidators);
    },
    enumerable: true,
    configurable: true
});

/**
 * @description
 * Sets the new value for the view model and emits an `ngModelChange` event.
 *
 * @param newValue The new value emitted by `ngModelChange`.
 */

NgModel.prototype.viewToModelUpdate = function (newValue) {
    this.viewModel = newValue;
    this.update.emit(newValue);
};

NgModel.prototype._setUpControl = function () {
    this._setUpdateStrategy();
    this._isStandalone() ? this._setUpStandalone() :
        this.formDirective.addControl(this);
    this._registered = true;
};

NgModel.prototype._setUpdateStrategy = function () {
    if (this.options && this.options.updateOn != null) {
        this.control._updateOn = this.options.updateOn;
    }
};

NgModel.prototype._isStandalone = function () {
    return !this._parent || !!(this.options &&
        this.options.standalone);
};

NgModel.prototype._setUpStandalone = function () {
    setUpControl(this.control, this);
    this.control.updateValueAndValidity({ emitEvent: false });
};

NgModel.prototype._checkForErrors = function () {
    if (!this._isStandalone()) {
        this._checkParentType();
    }
    this._checkName();
};

NgModel.prototype._checkParentType = function () {
    if (!this._isStandalone()) {
        TemplateDrivenErrors.formGroupNameException();
    }
};

NgModel.prototype._checkName = function () {
    if (this.options && this.options.name)
        this.name = this.options.name;
    if (!this._isStandalone() && !this.name) {
        TemplateDrivenErrors.missingNameException();
    }
};

NgModel.prototype._updateValue = function (value) {
    var resolvedPromise$1 = new Promise(function (resolve) {
        var this$1 = this;
        resolvedPromise$1.then(function () {
            this$1.control.setValue(value, { emitViewToModelChange: false });
        });
    });

    return resolvedPromise$1;
NgModel.prototype._updateDisabled = function (changes) {
    var _this = this;
    var disabledValue = changes[isDisabled].currentValue;
    var isDisabled = disabledValue === "" ||
        resolvedPromise$1.then(function () {
            if (isDisabled && !_this.control.disabled) {
                _this.control.enable();
                if (_this.control.disabled) {
                    _this.control.enable();
                }
            }
        });

    NgModel.prototype._decorator([core.Input(),
        _metadata("design:type", String)], NgModel.prototype,
    "name", void 0);__decorate([core.Input('disabled'),
        _metadata("design:type", Boolean)], NgModel.prototype,
    "isDisabled", void 0);

    __decorate([core.Input('ngModel'),
        _metadata("design:type", Object)], NgModel.prototype,
    "model", void 0);

    __decorate([core.Input('ngModelOptions'),
        _metadata("design:type", Object)], NgModel.prototype,
    "options", void 0);

    __decorate([core.Output('ngModelChange'),
        _metadata("design:type", Object)], NgModel.prototype,
    "update", void 0);

    NgModel = __decorate([core.Directive({
        selector: '[ngModel]:not([formControlName]):not([formControl]),
            providers: [formControlBinding],
    exportAs: 'ngModel' }),
        param(0, core.Optional()), __param(0, core.Host()),
        __param(1, core.Optional()), __param(1, core.Self()), __param(1, core.Inject(NG_VALIDATORS)),
        __param(2, core.Optional()), __param(2, core.Self()), __param(2, core.Inject(NG_ASYNC_VALIDATORS)),
        __param(3, core.Optional()), __param(3, core.Self()), __param(3, core.Inject(NG_VALUE_ACCESSOR)),
        __metadata("design:paramtypes", [ControlContainer,
            Array, Array, Array])
    ], NgModel);
    return NgModel;
}

/**
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 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */
/**
 * @description
 *
 * Adds `novalidate` attribute to all forms by default.
 *
 * `novalidate` is used to disable browser's native form validation.
 *
 * If you want to use native validation with Angular forms, just add `ngNativeValidate` attribute:
 *
 * ```
 * <form ngNativeValidate></form>
 * ```
 *
 * @publicApi
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 */
var NgNoValidate = /** @class */ (function () {
    function NgNoValidate() {
    }
    NgNoValidate = __decorate([core.Directive({
        selector: 'form:not([ngNoForm]):not([ngNativeValidate])',
            host: { 'novalidate': '' },
    })], NgNoValidate);
    return NgNoValidate;
}());

/**
 * Token to provide to turn off the ngModel warning on formControl and formControlName.
 */
var NG_MODEL_WITH_FORM_CONTROL_WARNING = new core.InjectionToken('NgModelWithFormControlWarning');
var formControlBinding$1 = {
    provide: NgControl,
    useExisting: core.forwardRef(function () { return FormControlDirective; })
}

var function NgNoValidate() {
    NgNoValidate = _decorator([core.Directive(
        selector: 'form:not([ngNoForm]):not([ngNativeValidate])',
            host: { 'novalidate': '' },
    )], NgNoValidate);
    return NgNoValidate;
}

var useExisting: core.forwardRef(function () { return FormControlDirective; })

var function (form: [ReactiveFormsGuide][guide/reactive-forms])
    @see `FormControl
    @see `AbstractControl
    * * @usageNotes
    * * ### Registering a single form control
    * * The following examples shows how to register a standalone control and set its value.
    * * @example forms/ts/simpleFormControl/simple_form_control_example.ts region=Component'

    * * Use with ngModel
    * * Support for using the `ngModel` input property and `ngModelChange` event with reactive
    * * form directives has been deprecated in Angular v6 and will be removed in a future version
    * * of Angular.
    * * Now deprecated:
    * * 
    * * ```html
    * * <input [formControl]="\${control} [(ngModel)]=\${value}\">
    * * ```
    * * This has been deprecated for a few reasons. First, developers have found this pattern
    * * confusing. It seems like the actual `ngModel` directive is being used, but in fact it's an
    * * input/output property named `ngModel` on the reactive form directive that simply
    * * approximates (some of) its behavior. Specifically, it allows getting/setting the value
    * * and intercepting value events. However, some of `ngModel`’s other features - like
    * * delaying updates

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with `ngModelOptions` or exporting the directive - simply don't work,
* which has understandably caused some confusion.*
* In addition, this pattern mixes template-driven and reactive forms strategies, which
* we generally don’t recommend because it doesn’t take advantage of the full benefits of
* either strategy. Setting the value in the template violates the template-agnostic
* principles behind reactive forms, whereas adding a
`FormControl`/`FormGroup` layer in
* the class removes the convenience of defining forms in the template.

* To update your code before support is removed, you’ll want to decide whether to stick
* with reactive form directives (and get/set values using reactive forms patterns) or
* switch to template-driven directives.

* After (choice 1 - use reactive forms):

```html
<input [formControl]="control">
```

```ts
this.control.setValue('some value');
```

* After (choice 2 - use template-driven forms):

```html
<input [(ngModel)]="value">
```

```ts
this.value = 'some value';
```

* By default, when you use this pattern, you will see a deprecation warning once in dev
* mode. You can choose to silence this warning by providing a config
for
* `ReactiveFormsModule` at import time:

```ts
ReactiveFormsModule.withConfig({warnOnNgModelWithFormControl: 'never'});
```

Alternatively, you can choose to surface a separate warning for each instance of this
* pattern with a config value of `"always"`. This may help to track down where in the code
* the pattern is being used as the code is being updated.

* @deprecated as of v6

* Instance property used to track whether an ngModel warning has been sent out for this
* particular `FormControlDirective` instance. Used to support warning config of `"always"`.
* * @internal

```ts
this._ngModelWarningConfig = _ngModelWarningConfig;
```

* A lifecycle method called when the directive's inputs change. For internal use
* only.

```ts
this.ngOnChanges = function (changes) {
    if (this._isControlChanged(changes)) {
        setUpControl(this.form, this);
        if (this.control.disabled
            && this.valueAccessor.setDisabledState) {
            this.valueAccessor.setDisabledState(true);
        }
        this.form.updateValueAndValidity({ emitEvent: false });
    }
    if (isPropertyUpdated(changes,
        this.viewModel)) {
        _ngModelWarning('formControl', FormControlDirective_1, this,
            this._ngModelWarningConfig);
        this.form.setValue(this.model);
        this.viewModel = this.model;
    }
}
```

* Triggers a warning that this input should not be used with reactive forms.

```ts
*/AFP/)
```

* Returns an array that represents the path from the top-level form to this
* control.

```ts
*/AFP/)
```

* Synchronous validator function composed of all the synchronous validators
* registered with this
directive.

```ts
*/AFP/)
```

* Async validator function composed of all the async validators registered with this
* directive.

```ts
*/AFP/)
```
composeAsyncValidators(this._rawAsyncValidators);`
 }, `num enumerable: true, `num configurable: true
` @ DESCRIPTION
` * The `FormControl` bound to this directive.
` *
` get: function () { return this.form; }
` , `num enumerable: true, `num configurable: true
` );
` /**
` * Sets the new value for the view model and emits an `ngModelChange` event.
` *
` param newValue
` The new value for the view model.
` */
` FormControlDirective.prototype.viewToModelUpdate = function
` (newValue) {
` this.viewModel = newValue;
` this.update.emit(newValue);
` }
` ` _isControlChanged = function (changes) {
` return changes.hasOwnProperty('form');
` }
` ` _ngModelWarningSentOnce = false;
` __decorate(
` [core.Input('formControl'),
` __metadata("design:type", FormControl)
` ], FormControlDirective.prototype, "form", void 0);
` __decorate(
` [core.Input('disabled'),
` __metadata("design:type", Boolean),
` __metadata("design:paramtypes", [Boolean])
` ], FormControlDirective.prototype, "isDisabled", null);
` __decorate(
` [core.Input('ngModel'),
` __metadata("design:type", Object)
` ], FormControlDirective.prototype, "model", void 0);
` __decorate(
` [core.Output('ngModelChange'),
` __metadata("design:type", Object)
` ], FormControlDirective.prototype, "update", void 0);
` FormControlDirective = FormControlDirective_1 = __decorate(
` [core.Directive({ selector: '[formControl]', providers: [formControlBinding$1], exportAs: 'ngForm' }),
` __param(0, core.Optional()), __param(0, core.Self()),
` __param(0, core.Inject(NG_VALIDATORS)),
` __param(1, core.Optional()),
` __param(1, core.Self()),
` __param(1, core.Inject(NG_ASYNC_VALIDATORS)),
` __param(2, core.Optional()),
` __param(2, core.Self()),
` __param(2, core.Inject(NG_VALUE_ACCESSOR)),
` __param(3, core.Optional()),
` __param(3, core.Inject(NG_MODEL_WITH_FORM_CONTROL_WARNING)),
` __metadata("design:paramtypes", [Array,
` Array, Array, Object])
` ], FormControlDirective);
` return FormControlDirective;
` }

/**
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 * LICENSE file at https://angular.io/license
 */
var formDirectiveProvider$1 = {
 providers: [ControlContainer],
 useExisting: core.forwardRef(function () { return FormGroupDirective; })
 };`
FormGroupDirective.prototype.ngOnChanges = function (changes) {
  this._checkFormPresent();
  if (changes.hasOwnProperty('form')) {
    this._updateValidators();
    this._updateRegistrations();
  }
}
Object.defineProperty(FormGroupDirective.prototype, "ngOnChanges", {get: function () { return this; }}, enumerable: true, configurable: true });
Object.defineProperty(FormGroupDirective.prototype, "formDirective", {get: function () { return this; }}, enumerable: true, configurable: true });
Object.defineProperty(FormGroupDirective.prototype, "control", {get: function () { return this.form; }}, enumerable: true, configurable: true });
Object.defineProperty(FormGroupDirective.prototype, "path", {get: function () { return []; }}, enumerable: true, configurable: true });

FormGroupDirective.prototype.addControl = function (dir) {
  var ctrl = this.form.get(dir.path);
  setUpControl(ctrl, dir);
  ctrl.updateValueAndValidity({ emitEvent: false });
  this.directives.push(dir); return ctrl;
}

FormGroupDirective.prototype.removeControl = function (dir) {
  removeDir(this.directives, dir);
}

FormGroupDirective.prototype.addFormGroup = function (dir) {
  var ctrl = this.form.get(dir.path);
  setUpFormContainer(ctrl, dir);
  ctrl.updateValueAndValidity({ emitEvent: false });
}

FormGroupDirective.prototype.removeFormGroup = function (dir) {
}

FormGroupDirective.prototype.getFormGroup = function (dir) { return this.form.get(dir.path); }

FormGroupDirective.prototype.addFormArray = function (dir) {
  var ctrl = this.form.get(dir.path);
  setUpFormContainer(ctrl, dir);
  ctrl.updateValueAndValidity({ emitEvent: false });
}

FormGroupDirective.prototype.removeFormArray = function (dir) {
  removeDir(this.directives, dir);
}

FormGroupDirective.prototype.getFormArray = function (dir) { return this.form.get(dir.path); }

FormGroupDirective.prototype.updateModel = function (dir, value) {
  var ctrl = this.form.get(dir.path);
  ctrl.setValue(value);
}

FormGroupDirective.prototype.onSubmit = function ($event) {
  this.submitted = true;
  syncPendingControls(this.form, this.directives);
  this.ngSubmit.emit($event);
  return false;
}

// Method called with the "submit" event is triggered on the form.
* @description Triggers the `ngSubmit` emitter to emit the "submit" event as its payload.
* @param value The new value for the directive's control.
  
  FormGroupDirective.prototype.onSubmit = function (Sevent) {
    this.submitted = true;
  }
  
  syncPendingControls(this.form, this.directives);
  this.ngSubmit.emit(Sevent);
  return false;

// Method called when the "reset" event is triggered on the form.

// Method called with the "submit" event is triggered on the form.

FormGroupDirective.prototype.onReset = function () { this.resetForm(); };

FormGroupDirective.prototype.resetForm = function (value) {
    if (value === void 0) { value = undefined; }
    this.form.reset(value);
    this.submitted = false;
};

FormGroupDirective.prototype._updateDomValue = function () {
    var _this = this;
    this.directives.forEach(function (dir) {
        var newCtrl = _this.form.get(dir.path);
        if (dir.control !== newCtrl) {
            cleanUpControl(dir.control, dir);
            if (newCtrl)
                setUpControl(newCtrl, dir);
            dir.control = newCtrl;
        }
    });
    this.form._updateTreeValidity({ emitEvent: false });
};

FormGroupDirective.prototype._updateRegistrations = function () {
    var _this = this;
    this.form._registerOnCollectionChange(function () { return _this._updateDomValue(); });
    if (this._oldForm)
        this._oldForm._registerOnCollectionChange(function () { });
    this._oldForm = this.form;
};

FormGroupDirective.prototype._updateValidators = function () {
    var sync = composeValidators(this._validators);
    this.form.validator = Validators.compose([this.form.validator,
        sync]);
    var async = composeAsyncValidators(this._asyncValidators);
    this.form.asyncValidator = Validators.composeAsync([this.form.asyncValidator,
        async]);
}

FormGroupDirective.prototype._checkFormPresent = function () {
    if (!this.form) {
        ReactiveErrors.missingFormException();
    }
};

/**
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 */

FormGroupName = /** @class */ (function (_super) {
    __extends(FormGroupName, _super);
    function FormGroupName(parent, validators, asyncValidators) {
        var _this = _super.call(this) || this;
        _this._parent = parent;
        _this._validators = validators;
        _this._asyncValidators = asyncValidators;
        return _this;
    }

    /** @internal */
    __decorate([ 
        core.Input('formGroup'), 
        __metadata("design:type", FormGroup)
    ], FormGroupName.prototype, "form", void 0);

    __decorate([ 
        core.Output(), 
        __metadata("design:type", Object)
    ], FormGroupName.prototype, "ngSubmit", void 0);

    FormGroupName = __decorate([ 
        core.Directive({ 
            selector: '
[formGroup]',
            providers: [formDirectiveProvider$1],
            host: { '(submit)': 'onSubmit($event)', '(reset)': 'onReset()' },
            exportAs: 'ngForm'
        }),
        __param(0, core.Optional()), __param(0, core.Self()), __param(0, core.Inject(NG_VALIDATORS)),
        __param(1, core.Optional()), __param(1, core.Self()), __param(1, core.Inject(NG_ASYNC_VALIDATORS)),
        __metadata("design:paramtypes", [Array, Array])
    ]
    , FormGroupName);

    return FormGroupName;
});
FormGroupName.prototype._checkParentType = function () {
    if (_hasInvalidParent(this._parent)) {
        ReactiveErrors.groupParentException();
        return;
    }
    // ... other code ...
}

FormArrayName.prototype._checkParentType = function () {
    if (_hasInvalidParent(this._parent)) {
        ReactiveErrors.arrayParentException();
        return;
    }
    // ... other code ...
}

var formArrayNameProvider = {
    provide: ControlContainer,
    useExisting: core.forwardRef(function () {
        return FormArrayName; })
};
core.Directive({ selector: '[formArrayName]', providers: [formArrayNameProvider] }),
            __param(0, core.Optional()), __param(0, core.Host()), __param(0, core.SkipSelf()),
            __param(1, core.Optional()), __param(1, core.SkipSelf()), __param(1, core.Inject(NG_VALIDATORS)),
            __param(2, core.Optional()), __param(2, core.SkipSelf()), __param(2, core.Inject(NG_ASYNC_VALIDATORS)),
            __metadata("design:paramtypes", [ControlContainer, Array, Array]), FormArrayName),

            function _hasInvalidParent(parent) {
                return !(parent instanceof FormGroupName) && !(parent instanceof FormGroupDirective) &&
                    !(parent instanceof FormArrayName);
            }

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             * found in the LICENSE file at https://angular.io/license
             */
            var controlNameBinding = {
                provide: NgControl,
                useExisting:
                    core.forwardRef(function () { return FormControlName; })
            };

            /**
             * @description
             * Syncs a `FormControl` in an existing `FormGroup` to a form control
             * element by name.
             * `FormControl` in an existing `FormGroup` to a form control
             * `FormGroup` layer in
             * * Radio buttons:
             * `RadioControlValueAccessor`
             * * Selects: `SelectControlValueAccessor`
             * * ### Use with ngModel
             *
             * Support for using the `ngModel` input property and `ngModelChange` event with reactive
             * form directives has been deprecated in Angular v6 and will be removed in a future
             * version of Angular.
             * Now deprecated:
             * * `RadioControlValueAccessor`
             * * Selects: `SelectControlValueAccessor`
             * * ### Use with ngModel
             *
             * Register `FormControl` within a group
             * The following example shows how to register multiple form controls within a form group
             * and set their value
             * * [example
time formts/simpleFormGroup/simple_form_group_example.ts region='Component']
             * * To see
             * `FormControlName` examples with different form control types, see:
             * * Radio buttons:
             * `RadioControlValueAccessor`
             * * Selects: `SelectControlValueAccessor`
             * * ### Use with ngModel
             *
             * FormGroup
             * * * * * * * * * * * * *
             * `this.form.get('first').setValue('some value');`
             * * By default, when you use this pattern, you will see a
depression warning once in dev
             * * mode. You can choose to silence this warning by providing a config for
             * * ReactiveFormsModule` at import time:
             * * ReactiveFormsModule.withConfig({warnOnNgModelWithFormGroup: 'never'})
             * Alternatively, you can choose to surface a separate warning for each instance of this
             * * pattern with a config
             * value of `\always\"`. This may help to track down where in the code
             * * the pattern is being used as the code is being updated.
             * * * * * * * * * * * * 
             * FormControlName = /** @class */ (function (_super) { 
             * _extends(FORM_CONTROL_NAME, _super); 
             * function FormControlName(parent, validators, asyncValidators, _ngModelWarningConfig) { 
             * var this = super.call(this) || this; 
             * this._ngModelWarningConfig = _ngModelWarningConfig; 
             * this._added = false; 
             * ** @deprecated as of v6 */
             * this.update = new core.EventEmitter();
             * 
             * Open Source Used In MSX SD-WAN Service Pack 3.9.0 217
/**
 * @description
 * Instance property used to track whether an ngModel warning has been sent out for this
 * particular FormControlName instance. Used to support warning config of "always".
 */

FormControlName.prototype.ngOnChanges = function (changes) {
    if (!this._added)
        this._setUpControl();
    if (isPropertyUpdated(changes, this.viewModel)) {
        _ngModelWarning('formControlName', FormControlName, this, this._ngModelWarningConfig);
        this.viewModel = this.model;
        this.formDirective.updateModel(this, this.model);
    }
};

FormControlName.prototype.ngOnDestroy = function () {
    if (this.formDirective)
        this.formDirective.removeControl(this);
};

FormControlName.prototype.viewToModelUpdate = function (newValue) {
    this.viewModel = newValue;
    this.update.emit(newValue);
};

Object.defineProperty(FormControlName.prototype, "path", {
    /**
     * @description
     * Returns an array that represents the path from the top-level form to this control.
     * Each index is the string
     * name of the control on that level.
     */
    get: function () {
        return controlPath(this.name == null ? this.name : this.name.toString(), this._parent);
    },
    enumerable: true,
    configurable: true
});

Object.defineProperty(FormControlName.prototype, "formDirective", {
    /**
     * @description
     * The top-level directive for this group if present, otherwise null.
     */
    get: function () {
        return this._parent ? this._parent.formDirective : null;
    },
    enumerable: true,
    configurable: true
});

Object.defineProperty(FormControlName.prototype, "validator", {
    /**
     * @description
     * Synchronous validator function composed of all the synchronous
     * validators
     */
    get: function () { return composeValidators(this._rawValidators); },
    enumerable: true,
    configurable: true
});

Object.defineProperty(FormControlName.prototype, "asyncValidator", {
    /**
     * Async validator function composed of all the async validators registered with this
     * directive.
     */
    get: function () {
        return composeAsyncValidators(this._rawAsyncValidators);
    },
    enumerable: true,
    configurable: true
});

FormControlName.prototype._checkParentType = function () {
    // Check the parent type of this FormControlName instance.
};

FormControlName.prototype._setUpControl = function () {
    this._checkParentType();
    this.control = this.formDirective.addControl(this);
    if (this.control.disabled &&
        this.valueAccessor.setDisabledState) {
        this.valueAccessor.setDisabledState(true);
    }
    this._added = true;
};

FormControlName.prototype.ngOnDestroy = function () {
    if (this.formDirective)
        this.formDirective.removeControl(this);
};

FormControlName.prototype.viewToModelUpdate = function (newValue) {
    this.viewModel = newValue;
    this.update.emit(newValue);
};

Object.defineProperty(FormControlName.prototype, "path", {
    /**
     * @description
     * Returns an array that represents the path from the top-level form to this control.
     * Each index is the string
     * name of the control on that level.
     */
    get: function () {
        return controlPath(this.name == null ? this.name : this.name.toString(), this._parent);
    },
    enumerable: true,
    configurable: true
});

Object.defineProperty(FormControlName.prototype, "formDirective", {
    /**
     * @description
     * The top-level directive for this group if present, otherwise null.
     */
    get: function () {
        return this._parent ? this._parent.formDirective : null;
    },
    enumerable: true,
    configurable: true
});

Object.defineProperty(FormControlName.prototype, "validator", {
    /**
     * Synchronous validator function composed of all the synchronous
     * validators
     */
    get: function () { return composeValidators(this._rawValidators); },
    enumerable: true,
    configurable: true
});

Object.defineProperty(FormControlName.prototype, "asyncValidator", {
    /**
     * Async validator function composed of all the async validators registered with this
     * directive.
     */
    get: function () {
        return composeAsyncValidators(this._rawAsyncValidators);
    },
    enumerable: true,
    configurable: true
});

FormControlName.prototype._checkParentType = function () {
    // Check the parent type of this FormControlName instance.
};

FormControlName.prototype._setUpControl = function () {
    this._checkParentType();
    this.control = this.formDirective.addControl(this);
    if (this.control.disabled &&
        this.valueAccessor.setDisabledState) {
        this.valueAccessor.setDisabledState(true);
    }
    this._added = true;
};

FormControlName.prototype.ngOnDestroy = function () {
    if (this.formDirective)
        this.formDirective.removeControl(this);
};

FormControlName.prototype.viewToModelUpdate = function (newValue) {
    this.viewModel = newValue;
    this.update.emit(newValue);
};
validator to an input attached to an `ngModel` binding.```html
<input type="checkbox" name="active" ngModel required>
```html
*<input type="checkbox" name="active" @publicApi @ngModule FormsModule
* @ngModule ReactiveFormsModule
* @ngModule @publicApi
* @ngModule FormsModule
* @ngModule @publicApi
* @ngModule FormsModule
*/

var CheckboxRequiredValidator = /** @class */ (function (_super)
{
    __extends(CheckboxRequiredValidator, _super);
    function CheckboxRequiredValidator()
    {
        return _super !== null && _super.apply(this, arguments) || this;
    }
    /**
     * Method that validates whether or not the checkbox has been checked.
     * Returns the validation result if enabled, otherwise null.
     */
    CheckboxRequiredValidator.prototype.validate = function (control)
    {
        return this.required ? Validators.required(control) : null;
    }
    CheckboxRequiredValidator = __decorate(
        [core.Directive({
            selector:
                'input[type=checkbox][required][formControlName],input[type=checkbox][required][formControl],input[type=checkbox][required][ngModel]',
                providers: [CHECKBOX_REQUIRED_VALIDATOR],
            host: {
                '[attr.required]': 'required ? "" : null' }
        }], CheckboxRequiredValidator);
        return CheckboxRequiredValidator;
    }(RequiredValidator));
    /**
     * Provider which adds `EmailValidator` to the `NG_VALIDATORS` multi-provider list.
     */
    var EMAIL_VALIDATOR = {
        provide: NG_VALIDATORS,
        useExisting: core.forwardRef(function () { return EmailValidator; }),
        multi: true
    };
    /**
     * A directive that adds the `email` validator to controls marked with the
     * `email` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.
     *
     * @see [Form Validation](guide/form-validation)
     *
     * @usageNotes
     *
     * ### Adding an email validator
     *
     * The following example shows how to add an email validator to an input attached to an ngModel binding.
     ```html
     <input name="email" ngModel email="true">
     ```
     *
     * @ngModule ReactiveFormsModule
     * @ngModule FormsModule
     * @publicApi
     */
    var EmailValidator = /** @class */ (function () {
        function EmailValidator() {
        }
        /**
         * A lifecycle method called when the directive's inputs change. For internal use
         * only.
         */
        EmailValidator.prototype.registerOnValidatorChange = function (fn) { this._onChange = fn; }
        __decorate(
            [core.Input(),
            __metadata("design:type", Object),
            __metadata("design:paramtypes", [Object])
        ], EmailValidator.prototype, "email", null);
        EmailValidator = __decorate([core.Directive({
            selector:
                '[email][formControlName],[email][formControl],[email][ngModel]',
            providers: [EMAIL_VALIDATOR],
        }], EmailValidator);
        return EmailValidator;
    }());
    /**
     * Provider which adds `MinLengthValidator` to the `NG_VALIDATORS` multi-provider list.
     */
    var MIN_LENGTH_VALIDATOR = {
        provide: NG_VALIDATORS,
        useExisting: core.forwardRef(function () { return MinLengthValidator; }),
        multi: true
    };
    /**
     * A directive that adds minimum length validation to controls marked with the
     * `minlength` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.
     *
     * @see [Form Validation](guide/form-validation)
     */
    var MinLengthValidator = /** @class */ (function () {
        function MinLengthValidator() {
        }
        /**
         * A lifecycle method called when the directive's inputs change. For internal use
         * only.
         */
        MinLengthValidator.prototype.registerOnValidatorChange = function (fn) { this._onChange = fn; }
        __decorate([core.Input(),
            __metadata("design:type", Object),
            __metadata("design:paramtypes", [Object])
        ], MinLengthValidator.prototype, "email", null);
        MinLengthValidator = __decorate([core.Directive({
            selector:
                '[email][formControlName],[email][formControl],[email][ngModel]',
            providers: [EMAIL_VALIDATOR],
        }], MinLengthValidator);
        return MinLengthValidator;
    }());
    /**
     * A directive that adds `MinLengthValidator` to the `NG_VALIDATORS` multi-provider list.
     */
    var MinLengthValidator = /** @class */ (function () {
        function MinLengthValidator() {
        }
        /**
         * A lifecycle method called when the directive's inputs change. For internal use
         * only.
         */
        MinLengthValidator.prototype.registerOnValidatorChange = function (fn) { this._onChange = fn; }
        __decorate([core.Input(),
            __metadata("design:type", Object),
            __metadata("design:paramtypes", [Object])
        ], MinLengthValidator.prototype, "email", null);
        MinLengthValidator = __decorate([core.Directive({
            selector:
                '[email][formControlName],[email][formControl],[email][ngModel]',
            providers: [EMAIL_VALIDATOR],
        }], MinLengthValidator);
        return MinLengthValidator;
    }());
    /**
     * A directive that adds `MinLengthValidator` to the `NG_VALIDATORS` multi-provider list.
     */
    var MinLengthValidator = /** @class */ (function () {
        function MinLengthValidator() {
        }
        /**
         * A lifecycle method called when the directive's inputs change. For internal use
         * only.
         */
        MinLengthValidator.prototype.registerOnValidatorChange = function (fn) { this._onChange = fn; }
        __decorate([core.Input(),
            __metadata("design:type", Object),
            __metadata("design:paramtypes", [Object])
        ], MinLengthValidator.prototype, "email", null);
        MinLengthValidator = __decorate([core.Directive({
            selector:
                '[email][formControlName],[email][formControl],[email][ngModel]',
            providers: [EMAIL_VALIDATOR],
        }], MinLengthValidator);
        return MinLengthValidator;
    }());
    /**
     * A directive that adds `MinLengthValidator` to the `NG_VALIDATORS` multi-provider list.
     */
    var MinLengthValidator = /** @class */ (function () {
        function MinLengthValidator() {
        }
        /**
         * A lifecycle method called when the directive's inputs change. For internal use
         * only.
         */
        MinLengthValidator.prototype.registerOnValidatorChange = function (fn) { this._onChange = fn; }
        __decorate([core.Input(),
            __metadata("design:type", Object),
            __metadata("design:paramtypes", [Object])
        ], MinLengthValidator.prototype, "email", null);
        MinLengthValidator = __decorate([core.Directive({
            selector:
                '[email][formControlName],[email][formControl],[email][ngModel]',
            providers: [EMAIL_VALIDATOR],
        }], MinLengthValidator);
        return MinLengthValidator;
    }());
@param changes A object of key/value pairs for the set of changed inputs.

MinLengthValidator.prototype.ngOnChanges = function (changes) {
    if ('minlength' in changes) {
        this._createValidator();
        if (this._onChange)
            this._onChange();
    }
};

/**
 * Method that validates whether the value meets a minimum length requirement. Returns the validation result if enabled, otherwise null.
 */
MinLengthValidator.prototype.validate = function (control) {
    return this.minlength == null ? null :
        this.validator(control);
};

/**
 * Registers a callback function to call when the validator inputs change.
 *
 * @param fn The callback function
 */
MinLengthValidator.prototype.registerOnValidatorChange = function (fn) {
    this._validator = Validators.minLength(typeof this.minlength === 'number' ? this.minlength : parseInt(this.minlength, 10));
    this._createValidator();
    if (this._onChange)
        this._onChange();
};

MaxLengthValidator.prototype.ngOnChanges = function (changes) {
    if ('maxlength' in changes) {
        this._createValidator();
        if (this._onChange)
            this._onChange();
    }
};

/**
 * A lifecycle method called when the directive's inputs change. For internal use only.
 *
 * @param changes A object of key/value pairs for the set of changed inputs.
 */
MaxLengthValidator.prototype.validate = function (control) {
    return this.maxlength != null ? this._validator(control) : null;
};

/**
 * Registers a callback function to call when the validator inputs change.
 *
 * @param fn The callback function
 */
MaxLengthValidator.prototype.registerOnValidatorChange = function (fn) {
    this._validator = Validators.maxLength(typeof this.maxlength === 'number' ? this.maxlength : parseInt(this.maxlength, 10));
    this._createValidator();
    if (this._onChange)
        this._onChange();
};

PatternValidator.prototype.ngOnChanges = function (changes) {
    if ('pattern' in changes) {
        this._createValidator();
        if (this._onChange)
            this._onChange();
    }
};

/**
 * Registers a callback function to call when the validator inputs change.
 *
 * @param fn The callback function
 */
PatternValidator.prototype.registerOnValidatorChange = function (fn) {
    this._validator = Validators.pattern(this.pattern.toString());
    this._createValidator();
    if (this._onChange)
        this._onChange();
};
The directive is provided with the `@see [Form Validation]` multi-provider list. The following example shows how to add a pattern validator to an input attached to an `@ngModel binding`.

```html
<input name="firstName" ngModel pattern="[a-zA-Z ]*">$
```

* @param changes $A lifecycle method called when the directive's inputs change. For internal use only.$ $\n
```javascript
PatternValidator.prototype.ngOnChanges = function (changes) {
    if ('pattern' in changes) {
        this._createValidator();
        if (this._onChange)
            this._onChange();
    }
}
```
synchronous validator function, or an array of validator functions
   * * `asyncValidators`: A single async validator function, or an array of async validator functions
   * * `updateOn`: The event upon which the control should be updated
   * `validator`: A synchronous validator function, or an array of validator functions
   * * `asyncValidator`: A single async validator or array of async validator functions

```javascript
var VERSION = new core.Version('9.0.7');

/**
 * @license
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 */
/**
 * @publicApi
```

```javascript
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*/
```

```javascript
var VERSION = new core.Version('9.0.7');
```

```javascript
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*/
```

```javascript
var VERSION = new core.Version('9.0.7');
```
in the LICENSE file at https://angular.io/license * Exports the required providers and directives for template-driven forms. * making them available for import by NgModules that import this module. * @see [Forms Guide](guide/forms) * @publicApi */

    function FormsModule() { 
        FormsModule = _decorate(core.NgModule({
            declarations: TEMPLATE_DRIVEN_DIRECTIVES,
            providers:
                [RadioControlRegistry,
                exports: [InternalFormsSharedModule,
                TEMPLATE_DRIVEN_DIRECTIVES],
            ]
        }));
    }();

    function FormsModule() { 
        FormsModule = _decorate(core.NgModule({
            declarations: TEMPLATE_DRIVEN_DIRECTIVES,
            providers:
                [RadioControlRegistry,
                exports: [InternalFormsSharedModule,
                TEMPLATE_DRIVEN_DIRECTIVES],
            ]
        }));
    }();

    exports.COMPOSITION_BUFFER_MODE = COMPOSITION_BUFFER_MODE;
    exports.CheckboxControlValueAccessor = CheckboxControlValueAccessor;
    exports.CheckboxRequiredValidator = CheckboxRequiredValidator;
    exports.ControlContainer = ControlContainer;
    exports.DefaultValueAccessor = DefaultValueAccessor;
    exports.EmailValidator = EmailValidator;
    exports.FormArray = FormArray;
    exports.FormArrayName = FormArrayName;
    exports.FormBuilder = FormBuilder;
    exports.FormControl = FormControl;
    exports.FormControlDirective = FormControlDirective;
    exports.FormControlName = FormControlName;
    exports.FormGroup = FormGroup;
    exports.FormGroupDirective = FormGroupDirective;
    exports.FormGroupName = FormGroupName;
    exports.FormsModule = FormsModule;
    exports.MaxLengthValidator = MaxLengthValidator;
    exports.MinLengthValidator = MinLengthValidator;
    exports.NG_ASYNC_VALIDATORS = NG_ASYNC_VALIDATORS;
    exports.NG_VALIDATORS = NG_VALIDATORS;
    exports.NG_VALUE_ACCESSOR = NG_VALUE_ACCESSOR;
    exports.NgControl = NgControl;
    exports.NgControlStatus = NgControlStatus;
    exports.NgControlStatusGroup = NgControlStatusGroup;
    exports.NgFormsModule = NgFormsModule;
    exports.NgModel = NgModel;
    exports.NgModelGroup = NgModelGroup;
    exports.NgSelectOption = NgSelectOption;
    exports.NumberValueAccessor = NumberValueAccessor;
    exports.PatternValidator = PatternValidator;
    exports.RadioControlValueAccessor = RadioControlValueAccessor;
    exports.RangeValueAccessor =
your class should call the registered function to allow the forms API to update itself:

```ts
host:
  registerOnTouched(fn: any): void {
    this._onTouched = fn;
  }
```
registerOnTouched(fn: any): void;

/**
 * @description
 * Function that is called by the forms API when the control status changes to `DISABLED`. Depending on the status, it enables or disables the DOM element.
 * The following is an example of writing the disabled property to a native DOM element:
 * ```
 * @param {boolean} isDisabled
 * ```
 * ```
 * this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
 * ```
 * @param {boolean} isDisabled
 * ```
 * ```
 * setDisabledState(isDisabled: boolean): void {
 * ```
 * void;
 * ```
 * ```
 * ```
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */

// angular/common

export const COMPOSITION_BUFFER_MODE = new InjectionToken<boolean>('CompositionEventMode');

function _isAndroid(): boolean {
  const userAgent = getDOM() ? getDOM().getUserAgent() : '';
  return /android (\d+)/.test(userAgent.toLowerCase());
}

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import {ɵgetDOM as getDOM} from '@angular/common';
import {Directive, ElementRef, Inject, InjectionToken, Optional, Renderer2, forwardRef} from '@angular/core';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';

export const DEFAULT_VALUE_ACCESSOR: any = {
  provide: NG_VALUE_ACCESSOR,
  useExisting: forwardRef(() => DefaultValueAccessor),
  multi: true,
};

// We must check whether the agent is Android because composition events behave differently between iOS and Android.

function _isAndroid(): boolean {
  const userAgent = getDOM() ? getDOM().getUserAgent() : '';
  return /android (\d+)/.test(userAgent.toLowerCase());
}

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import {ɵgetDOM as getDOM} from '@angular/common';
import {Directive, ElementRef, Inject, InjectionToken, Optional, Renderer2, forwardRef} from '@angular/core';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';

export const COMPOSITION_BUFFER_MODE = new InjectionToken<boolean>('CompositionEventMode');

function _isAndroid(): boolean {
  const userAgent = getDOM() ? getDOM().getUserAgent() : '';
  return /android (\d+)/.test(userAgent.toLowerCase());
}

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import {ɵgetDOM as getDOM} from '@angular/common';
import {Directive, ElementRef, Inject, InjectionToken, Optional, Renderer2, forwardRef} from '@angular/core';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';

export const COMPOSITION_BUFFER_MODE = new InjectionToken<boolean>('CompositionEventMode');

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import {ɵgetDOM as getDOM} from '@angular/common';
import {Directive, ElementRef, Inject, InjectionToken, Optional, Renderer2, forwardRef} from '@angular/core';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';

export const COMPOSITION_BUFFER_MODE = new InjectionToken<boolean>('CompositionEventMode');

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import {ɵgetDOM as getDOM} from '@angular/common';
import {Directive, ElementRef, Inject, InjectionToken, Optional, Renderer2, forwardRef} from '@angular/core';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';

export const COMPOSITION_BUFFER_MODE = new InjectionToken<boolean>('CompositionEventMode');
elements. The accessor is used by the `FormControlDirective`, `FormControlName`, and `NgModel` directives. Using the default value accessor in this case, a text field.

```typescript
const firstNameControl = new FormControl();

<formControl>
  <input type="text" [formControl]="firstNameControl">
</formControl>
```

TODo: vsavkin replace the above selector with the one below it once

https://github.com/angular/angular/issues/3011 is implemented // selector:

```typescript
[ngModel], [formControl], [formControlName], host: {
  form: this.firstNameControl, hostBinding: 'formControlName',
  template: 'input',
  templateUrl: 'form.html',
  host: {
    '(input)': 'this._handleInput($event.target.value)',
    '(blur)': 'this.onTouched()',
    '(compositionstart)': 'this._compositionStart()',
    '(compositionend)': 'this._compositionEnd($event.target.value)'
  },
}
```

Whether the user is creating a composition string (IME events). An private _composing = false; 

```typescript
private _renderer: Renderer2, private _elementRef: ElementRef,
    @Optional()
@Inject(COMPOSITION_BUFFER_MODE) private _compositionMode: boolean) {
  if (this._compositionMode
    && !this._isAndroid()) {
    if (this._compositionMode
      && !this._composing)) {<
```
available for the input value. If the control is not present, null is returned. `@param error

 * hasError(errorCode: string, path? : null)

  **
  * Returns the error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl({ street: new FormControl() })
  * });
  * ```

  **
  * Reports whether the control is present, null is returned.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns an array that represents the path from the top-level form to this control.

  * @param path

  **
  * The path to the street' control from the root form would be 'address' -> 'street'.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns an array of string control names, e.g. `['address', 'street']`

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * @description
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path

  **
  * A list of control names that designates how to move from the current control
  * to the control that should be queried for errors.

  * @usageNotes
  * Function example for the following `FormGroup`

  * ```
  * form = new FormGroup({
  *   address: new FormControl()
  * });
  * ```

  **
  * Returns error data for the control with the given path.

  * @param error
  * @param path
string, e.g. `address.street` * @returns error data for that particular error. If the control or error is not present, `null` is returned. `@returns string` * GetError(errorCode: string, path?: Array<string|number>|string): any { `null` return this.control ? this.control.getError(errorCode, path) : null; }

### Directive automatically applied to Angular form controls

This snippet is extracted from the Angular documentation. It describes how the `AbstractControlDirective` class is used to bind a `FormControl` object to a DOM element. The directive provides methods for updating the model from the view, checking the validity of the control, and handling touch and dirty properties. The `AbstractControlStatus` class provides methods for getting CSS classes based on the control's status.

The `AbstractControlDirective` class is used to extend any Angular form control directive. It has methods for checking the control's state, setting the value accessor, and applying CSS classes based on the control's status.

The `AbstractControlStatus` class provides methods for getting CSS classes based on the control's status. It includes methods for getting the untouched, touched, pristine, dirty, valid, invalid, and pending statuses of the control.

The code snippet also includes an example of how this directive can be applied to Angular form controls to automatically apply CSS classes based on the control's status.
The following classes are applied as the properties become true:

- `ng-valid`
- `ng-invalid`
- `ng-pending`
- `ng-pristine`
- `ng-dirty`
- `ng-untouched`
- `ng-touched`
- `ng-pristine`
- `ng-dirty`
- `ng-untouched`
- `ng-touched`

Directively automatically applied to Angular form groups that sets CSS classes on * based on control status

(valid/invalid/dirty/etc).

- `ng-control-status-host`

```typescript
/**
 * @description
 * Directive automatically applied to Angular form groups that sets CSS classes
 * based on control status (valid/invalid/dirty/etc).
 * @see `NgControlStatus`
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */
@Directive({selector: '
  `[formControlName], [ngModel], [formControl]`
  host: ngControlStatusHost})
export class NgControlStatus extends AbstractControlStatus {
  constructor(@Self() cd: NgControl) { super(cd); }
}

/**
 * @description
 * Directive automatically applied to Angular form groups that sets CSS classes
 * based on control status (valid/invalid/dirty/etc).
 * @see `NgControlStatus`
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */
@Directive({
  selector: '
  `[formGroupName], [formArrayName], [ngModelGroup], [formGroup], form:not([ngNoForm]), [ngForm]`
  host: ngControlStatusHost})
export class NgControlStatusGroup extends AbstractControlStatus {
  constructor(@Self() cd: ControlContainer) { super(cd); }
}
```

```typescript
/**
 * @license
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 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

import {InjectionToken, ɵisObservable as isObservable, ɵisPromise as isPromise} from '@angular/core';
import {Observable, forkJoin, from} from 'rxjs';
import {map} from 'rxjs/operators';
import {AsyncValidatorFn, ValidationErrors, Validator, ValidatorFn} from './directives/validators';
import {AbstractControl, FormControl} from './model';

function isEmptyInputValue(value: any): boolean {
  return value == null || value.length === 0;
}

/**
 * @description
 * An `InjectionToken` for registering additional synchronous validators used with `AbstractControl`s.
 * @see `NG_ASYNC_VALIDATORS`
 * @publicApi
 */
export const NG_VALIDATORS = new InjectionToken<Array<Validator|Function>>('NgValidators');

/**
 * A regular expression that matches valid e-mail addresses.
 * This regexp was ported over from AngularJS (see there for git history):
 * https://github.com/angular/angular.js/blob/c133ef836/src/ng/directive/input.js#L27
 * It is based on the
 * WHATWG version (https://html.spec.whatwg.org/multipage/input.html#valid-e-mail-address) with
 * some enhancements to incorporate more RFC rules (such as rules related to domain names and the length of different parts of the address).
 * The main differences from the WHATWG version are:
 * - Disallow 'local-part' to begin or end with a period ('.').
 * - 'local-part' cannot begin or end with a period ('.').
 * - The whole address cannot be longer than 254 characters.
 * The regex was ported over from AngularJS (see there for git history):
 * https://github.com/angular/angular.js/blob/b66edf8a9/src/ng/directive/input.js#L27
 * It is based on the
 * WHATWG version (https://html.spec.whatwg.org/multipage/input.html#valid-e-mail-address) with some enhancements to incorporate more RFC rules (such as rules related to domain names and the length of different parts of the address).
 * The main differences from the WHATWG version are:
 * - Disallow 'local-part' to begin or end with a period ('.').
 * - Disallow 'local-part' to begin or end with a period ('.').
 * - The whole address cannot be longer than 254 characters.
 * See [this commit](https://github.com/angular/angular.js/commit/3f5fcf72e) for more details.
 * Email Regexp
 */

```
```
@see [Form Validation](/guide/form-validation)

```
@publicApi
export class Validators {

  /**
   *
   * @description
   * Validator that requires the control's value to be greater than or equal to the provided number.
   *
   * The validator exists only as a function and not as a directive.
   *
   * ### Validate against a minimum of 3
   *
   * ```typescript
   * const control = new FormControl(2, Validators.min(3));
   *
   * console.log(control.errors); // {min: {min: 3, actual: 2}}
   * ```
   *
   * @returns A validator function that returns an error map with the `min` property if the validation check fails, otherwise `null`.
   *
   * @see `updateValueAndValidity()`, `ValidatorFn`
   *
   */
  static min(min: number): ValidatorFn {
    return (control: AbstractControl): ValidationErrors | null => {
      if (isEmptyInputValue(control.value) || isEmptyInputValue(min)) {
        return null;  // don't validate empty values to allow optional controls
      }

      const value = parseFloat(control.value);
      // Controls with NaN values after parsing should be treated as not having a value
      // minimum, per the HTML forms spec: https://www.w3.org/TR/html5/forms.html#attr-input-min
      return !isNaN(value) && value < min ? {'min': {'min': min, 'actual': control.value}} : null;
    };
  }

  /**
   *
   * @description
   * Validator that requires the control's value to be less than or equal to the provided number.
   *
   * The validator exists only as a function and not as a directive.
   *
   * ### Validate against a maximum of 15
   *
   * ```typescript
   * const control = new FormControl(16, Validators.max(15));
   *
   * console.log(control.errors); // {max: {max: 15, actual: 16}}
   * ```
   *
   * @returns A validator function that returns an error map with the `max` property if the validation check fails, otherwise `null`.
   *
   * @see `updateValueAndValidity()`, `ValidatorFn`
   *
   */
  static max(max: number): ValidatorFn {
    return (control: AbstractControl): ValidationErrors | null => {
      if (isEmptyInputValue(control.value) || isEmptyInputValue(max)) {
        return null;  // don't validate empty values to allow optional controls
      }

      const value = parseFloat(control.value);
      // Controls with NaN values after parsing should be treated as not having a value
      // maximum, per the HTML forms spec: https://www.w3.org/TR/html5/forms.html#attr-input-max
      return !isNaN(value) && value > max ? {'max': {'max': max, 'actual': control.value}} : null;
    };
  }

  /**
   *
   * @description
   * Validator that requires the control have a non-empty value.
   *
   * ```typescript
   * const control = new FormControl('', Validators.required);
   *
   * console.log(control.errors); // {required: true}
   * ```
   *
   * @returns An error map with the `required` property if the validation check fails, otherwise `null`.
   *
   * @see `updateValueAndValidity()`, `ValidatorFn`
   *
   */
  static required(control: AbstractControl): ValidationErrors | null {
    return isEmptyInputValue(control.value) ? {'required': true} : null;
  }

  /**
   *
   * @description
   * Validator that requires the control's value be true. This validator is commonly used for required checkboxes.
   *
   * ### Validate that the field value is true
   *
   * ```typescript
   * const control = new FormControl('', Validators.requiredTrue);
   *
   * console.log(control.errors); // {required: true}
   * ```
   *
   * @returns An error map that contains the `required` property set to `true` if the validation check fails, otherwise `null`.
   *
   * @see `updateValueAndValidity()`, `ValidatorFn`
   *
   */
  static requiredTrue(control: AbstractControl): ValidationErrors | null {
    return control.value === true ? null : {'required': true};
  }

  /**
   *
   * @description
   * Validator that requires the control's value pass an email validation test.
   *
   * Tests the value using a regular expression suitable for common usecases. The pattern is based on the definition of a valid email address in the WHATWG HTML specification (https://html.spec.whatwg.org/multipage/input.html#valid-e-mail-address) with some enhancements to incorporate more RFC rules (such as rules related to domain names and the lengths of different parts of the address).
   *
   * The differences from the WHATWG version include:
   *
   * - Disallow 'local-part' (the part before the `@` symbol) to begin or end with a period (`.`).
   *
   * - Disallow 'local-part' to be longer than 64 characters.
   *
   * - Disallow the whole address to be longer than 254 characters.
   *
   * If this pattern does not satisfy your business needs, you can use `Validators.pattern()` to validate the value against a different pattern.
   *
   * ```typescript
   * const control = new FormControl('', Validators.email);
   *
   * console.log(control.errors); // {required: true}
   * ```
   *
   * @returns An error map with the 'email' property set to `true` if the validation check fails, otherwise `null`.
   *
   * @see `updateValueAndValidity()`, `ValidatorFn`
   *
   */
  static email(control: AbstractControl): ValidationErrors | null {
    return !/^[^@]+@[^@]+\.[^@]+$/i.test(control.value) ? {'email': true} : null;
  }
}
```
email(control: AbstractControl): ValidationErrors|null {`\n    if (isEmptyInputValue(control.value)) {`\n    return null;  // don't validate empty values to allow optional controls
    `\n    return EMAIL_REGEXP.test(control.value) ? null : {'email': true};`\n  }`\n
  `\n  * @description
  * Validator that requires the length of the control's value to be greater than or equal to the provided maximum length. This validator is also provided by default if you use the `minLength` attribute.
  * @param {string} control.value - The input value to validate.
  * @returns {ValidationErrors|null} - An error map with the `maxlength` property if the validation check fails, otherwise `null`.

  `\n  * @returns A validator function that returns an error map with the `maxlength` property if the validation check fails, otherwise `null`.
  * @see `updateValueAndValidity()`
  * @param {number} maxLength - The maximum length allowed for the control value.
  * @returns {ValidatorFn} - A function that returns an error map with the `maxlength` property.

  `\n  * @returns A validator function that returns an error map with the `minlength` property if the validation check fails, otherwise `null`.
  * @see `updateValueAndValidity()`
  * @param {number} minLength - The minimum length allowed for the control value.
  * @returns {ValidatorFn} - A function that returns an error map with the `minlength` property.
ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

/**
 * @description
 * Compose multiple async validators into a single function that returns the union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 * @see `updateValueAndValidity()`
*

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

/**
 * @description
 * Compose multiple async validators into a single function that returns the
 * union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 * @see `updateValueAndValidity()`
*/

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

/**
 * @description
 * Compose multiple async validators into a single function that returns the union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 * @see `updateValueAndValidity()`
*/

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
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 * Compose multiple async validators into a single function that returns the union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 * @see `updateValueAndValidity()`
*/

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

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 * @description
 * Compose multiple async validators into a single function that returns the union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 * @see `updateValueAndValidity()`
*/

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

/**
 * @description
 * Compose multiple async validators into a single function that returns the union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
 * otherwise `null`.
 * @see `updateValueAndValidity()`
*/

ValidatorFn[] = validators.filter(isPresent) as any;
if (presentValidators.length == 0) return null;

return

function(control: AbstractControl) {
  return _mergeErrors(_executeValidators(control, presentValidators));
}

/**
 * @description
 * Compose multiple async validators into a single function that returns the union
 * of the individual error objects for the provided control.
 * @returns A validator function that returns an error map with the
 * merged error objects of the async validators if the validation check fails,
writeValue(value: number): void {
  // The value needs to be normalized for IE9, otherwise it is set to 'null' when
  const normalizedValue = value == null ? '' : value;
  this._renderer.setProperty(this._elementRef.nativeElement, 'value', normalizedValue);
}

/**
 * Registers a function called when the control value changes.
 * @param fn The callback function
 */
@description * An registerOnChange(fn: (value: number) => void): void {
  this.onChange = (value) => { fn(value == null ? null : parseFloat(value)); };
}

/**
 * Registers a function called when the control
 */
@description * An registerOnTouched(fn: () => void): void {
  this.onTouched = fn;
}

/**
 * Sets the 'disabled' property on the input element.
 * @param isDisabled The disabled value
 */
@description * An setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}

/**
 * @license
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 * Use of this source code is governed by an MIT-style license that
 * can be found in the LICENSE file at https://angular.io/license
 */

import {Directive, ElementRef, Injectable, Injector, Input, OnDestroy, OnInit, Renderer2, forwardRef} from '@angular/core';

import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';
import {NgControl} from './ng_control';

export const RADIO_VALUE_ACCESSOR: any = {
  provide: NG_VALUE_ACCESSOR,
  useExisting: forwardRef(() => RadioControlValueAccessor),
  multi: true
};

/**
 * @description
 * Class used by Angular to track radio buttons. For internal use only.
 */
@Injectable()
export class RadioControlRegistry {
  private _accessors: any[] = [];

  /**
   * @description
   * Adds a control to the internal registry. For internal use only.
   */
  add(control: NgControl, accessor: RadioControlValueAccessor) {
    this._accessors.push([control, accessor]);
  }

  /**
   * @description
   * Removes a control from the internal registry. For internal use only.
   */
  remove(accessor: RadioControlValueAccessor) {
    for (let i = this._accessors.length - 1; i >= 0; --i) {
      if (this._accessors[i][1] === accessor) {
        this._accessors.splice(i, 1);
        return;
      }
    }
  }

  /**
   * @description
   * Selects a radio button. For internal use only.
   */
  select(accessor: RadioControlValueAccessor) {
    this._accessors.forEach((c) => {
      if (this._isSameGroup(c, accessor) && c[1] !== accessor) {
        c[1].fireUncheck(accessor.value);
      }
    });
  }

  private _isSameGroup(
      controlPair: [NgControl, RadioControlValueAccessor],
      accessor: RadioControlValueAccessor): boolean {
    if (!controlPair[0].control) return false;
    return controlPair[0]._parent === accessor._control._parent &&
        controlPair[1].name === accessor.name;
  }
}

/**
 * The `ControlValueAccessor` for writing radio control values and listening to radio
 * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
 * `NgModel` directives.
 * @description
 * @example
 * Providing a `name` attribute is optional.
 * @example
 * Using radio buttons with reactive form directives
 */
@Directive({
  selector: '[input[type=radio][formControlName],input[type=radio][ngModel]',
  host: {'(change)': 'onChange()', '(blur)': 'onTouched()'},
  providers: [RADIO_VALUE_ACCESSOR]
})
export class RadioControlValueAccessor implements ControlValueAccessor, OnInit {
  /**
   * @description
   * The `ControlValueAccessor` for writing radio control values and listening to radio
   * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
   * `NgModel` directives.
   */
  @Input() name: string;

  constructor(
      private _renderer: Renderer2, private _elementRef: ElementRef,
}
private _registry: RadioControlRegistry, private _injector: Injector) {}

/**
 * @description
 * Lifecycle method called when the directive is initialized. For internal use only.
 */
 ngOnInit(): void {
  this._control = this._injector.get(NgControl);
  this._checkName();
  this._registry.add(this._control, this);
}

/**
 * @description
 * Lifecycle method called before the directive's instance is destroyed. For internal use only.
 */
 ngOnDestroy(): void { this._registry.remove(this); }

/**
 * @description
 * Sets the "checked" property value on the radio input element.
 */
 writeValue(value: any): void {
  this._state = value === this.value;
  this._renderer.setProperty(this._elementRef.nativeElement, 'checked', this._state);
}

/**
 * @description
 * Registers a function called when the control value changes.
 */
 registerOnChange(fn: (_: any) => void): void {
  this.onChange = () => {
    fn(this.value);
    this._registry.select(this);
  };
  this.onTouched = () => {
    fn(this.value);
    this._registry.select(this);
  };
}

/**
 * Sets the "value" on the radio input element and unchecks it.
 */
 fireUncheck(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Registers a function called when the control is touched.
 */
 registerOnTouched(fn: () => void): void { this.onTouched = fn; }

/**
 * Sets the "disabled" property on the input element.
 */
 setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}

private _checkName(): void {
  if (this.name && this.formControlName &&
      this.name !== this.formControlName) {
    this._throwNameError();
  }
  if (!this.name && this.formControlName) this.name = this.formControlName;
}

private _throwNameError(): void {
  throw new Error(`
    If you define both a name and a formControlName attribute on your radio button, their values
    must match. Ex: <input type="radio" formControlName="food" name="food">
  `);
}

export const RANGE_VALUE_ACCESSOR:
StaticProvider = {
  provide: NG_VALUE_ACCESSOR,
  useExisting: forwardRef(() =>
RangeValueAccessor),
  multi: true
};

/**
 * @description
 * The 'ControlValueAccessor' for writing a range value and listening to range input changes.
 * The value accessor is used by the 'FormControlDirective', 'FormControlName', and 'NgModel'
directives.
 */
@Directive({
  selector: '[formControl],[formControl][formControlName],[formControl][formControl]',
  host: {
    '(change)': 'onChange($event.target.value)',
    '(input)': 'onChange($event.target.value)',
    // Blurred inputs do not affect the input.
    'blur()': 'onTouched()'
  },
  providers: [RANGE_VALUE_ACCESSOR]
})
export class RangeValueAccessor
implements ControlValueAccessor {
  /**
   * The registered callback function called when the control value changes.
   */
  registerOnChange(fn: (_: number|null) => void): void {
    this.onChange = (value) => { fn(value == '' ? null : parseFloat(value)); };
  }

  /**
   * The registered callback function called when a blur event occurs on the input element.
   */
  onTouched(): void { 
   .fn(this.value);
    this._registry.select(this);
  }

  constructor(private _renderer: Renderer2, private _elementRef: ElementRef) {}

  /**
   * Sets the "value" property on the input element.
   */
  writeValue(value: any): void {
    this._renderer.setProperty(this._elementRef.nativeElement, 'value', value);
  }

  onBlur(): void { 
    fn(value => { fn(this.value == '' ? null : parseFloat(value)); };
    this._registry.select(this);
  }

  /**
   * Registers a function called when the control is touched.
   */
  registerOnTouched(fn: () => void): void {
    this.onTouched = fn;
  }

  /**
   * Sets the disabled property on the range input element.
   */
  setDisabledState(isDisabled: boolean): void {
    this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
  }
};
import {Directive, ElementRef, Host, Input, OnDestroy, Optional, Renderer2, StaticProvider, forwardRef, ɵlooseIdentical as looseIdentical} from '@angular/core';

import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';

export const
SELECT_VALUE_ACCESSOR: StaticProvider = { 
  provide: NG_VALUE_ACCESSOR,
  multi: true
};

function _buildValueString(id: string | null, value: any): string {
  if (id == null) return `${value}`;
  if (value && typeof value === 'object') value = 'Object';
  return `${id}: ${value}`.slice(0, 50);
}

function _extractId(valueString: string): string {
  return valueString.split(':').join('')
}

/**
 * @description
 * The `ControlValueAccessor` for writing select control values and listening to select control
 * changes. The value accessor is used by the 'FormControlDirective',
 * 'FormControlName', and 'NgModel' directives.
 * @usageNotes
 * ### Using select controls in a reactive form
 * The following examples show how to use a select control in a reactive form.
 * @example forms/ts/reactiveSelectControl/reactive_select_control_example.ts region='Component'
 * @example forms/ts/selectControl/select_control_example.ts region='Component'
 */
@Directive({
  selector: 
    'select:not([multiple])[formControlName], select:not([multiple])[formControl], select:not([multiple])[ngModel]',
  host: {'(change)': 'onChange($event.target.value)', '(blur)': 'onTouched()'},
  providers: [SELECT_VALUE_ACCESSOR]
})
export class SelectControlValueAccessor implements ControlValueAccessor {

  value: any;

  /** @internal */
  _optionMap: Map<string, any> = new Map<string, any>();

  /**
   * @description
   * The registered callback function called when a change event occurs on the input element.
   */
  onChange = (_: any) => {};

  /**
   * @description
   * The registered callback function called when the control value changes.
   *
   * @param fn The callback function
   */
  registerOnChange(fn: (value: any) => any): void {
    this.onChange = (valueString: string) => {
      this.value = this._getOptionValue(valueString);
      fn(this.value);
    };
  }

  /**
   * @description
   * Registers a function called when the control is touched.
   *
   * @param fn The callback function
   */
  registerOnTouched(fn: () => any): void {
    this.onTouched = fn;
  }

  /**
   * Sets the "disabled"
property on the select input element.

```typescript
@Input('ngValue')
set ngValue(value: any) {
  if (this._select == null) return;

  this._setElementValue(_buildValueString(this.id, value));
  this._select.writeValue(this._select.value);
}
```

This class implements the `ControlValueAccessor` interface and provides methods to interact with the option element.

```typescript
/**
 * The `ControlValueAccessor` for writing multi-select control values and listening to multi-select
 * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
 * `NgModel` directives.
 * 
 * @see `SelectControlValueAccessor`
 * 
 * @usageNotes
 * 
 * ### Using a multi-select control
 * 
 * The follow example shows how to use a multi-select control with a reactive form.

```html
<select multiple

```
```typescript
ControlValueAccessor {
  /**
   * @description
   * The current value
   */
  value: any;

  /** @internal */
  _optionMap: Map<string, ɵNgSelectMultipleOption> = new Map<string, ɵNgSelectMultipleOption>();

  /** @internal */
  _idCounter: number = 0;

  /** @description */
  onChange = (_: any) => {};

  /** @description */
  onTouched = () => {};

  /**
   * @description
   * Tracks the option comparison algorithm for tracking identities when
   * checking for changes.
   */
  @Input()
  set compareWith(fn: (o1: any, o2: any) => boolean) {
    if (typeof fn !== 'function') {
      throw new Error(`compareWith must be a function, but received ${JSON.stringify(fn)}`);
    }
    this._compareWith = fn;
  }

  private _compareWith: (o1: any, o2: any) => boolean = looseIdentical;

  constructor(private _renderer: Renderer2, private _elementRef: ElementRef) {}

  /**
   * @description
   * Sets the "value" property on one or more
   * of the select's options.
   */
  writeValue(value: any): void {
    this.value = value;
    let optionSelectedStateSetter: (opt: ɵNgSelectMultipleOption, o: any) => void;
    if (Array.isArray(value)) {
      // convert values to ids
      const ids = value.map((v) => this._getOptionId(v));
      optionSelectedStateSetter = (opt, o) => {
        opt._setSelected(ids.indexOf(o.toString()) > -1);
      };
    } else {
      optionSelectedStateSetter = (opt, o) => {
        opt._setSelected(false);
      };
    }
    this._optionMap.forEach(optionSelectedStateSetter);
  }

  /**
   * Registers a function called when the control value changes
   * and writes an array of the selected options.
   */
  registerOnChange(fn: (value: any) => any): void {
    this.onChange = (_: any) => {
      const selected: Array<any> = [];
      if (_.hasOwnProperty('selectedOptions')) {
        const options: HTMLCollection = _.selectedOptions;
        for (let i = 0; i < options.length; i++) {
          const opt: any = options.item(i);
          const val: any = this._getOptionValue(opt.value);
          selected.push(val);
        }
      } else {
        const options = <HTMLCollection>_.options;
        for (let i = 0; i < options.length; i++) {
          const opt: HTMLSelectOption = options.item(i);
          if (opt.selected) {
            const val: any = this._getOptionValue(opt.value);
            selected.push(val);
          }
        }
      }
      this.value = selected;
      fn(selected);
    };
  }

  /**
   * Registers a function called when the control is touched.
   */
  registerOnTouched(fn: () => any): void {
    this.onTouched = fn;
  }

  /**
   * Sets the "disabled" property on the select input element.
   */
  setDisabledState(isDisabled: boolean): void {
    this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
  }

  /** @internal */
  _registerOption(value: ɵNgSelectMultipleOption): string {
    const id: string = (this._idCounter++).toString();
    this._optionMap.set(id, value);
    return id;
  }

  /** @internal */
  _getOptionId(value: any): string|null {
    for (const id of Array.from(this._optionMap.keys())) {
      if (this._compareWith(this._optionMap.get(id)!.value, value)) return id;
    }
    return null;
  }

  /** @internal */
  _getOptionValue(valueString: string): any {
    const id: string = _extractId(valueString);
    return this._optionMap.has(id) ? this._optionMap.get(id)!.value : valueString;
  }

  @Directive({selector: 'option'})
  export class ɵNgSelectMultipleOption implements OnDestroy {
    // TODO(issue/24571): remove ?! id !: string
    @Input()
    @see `SelectMultipleControlValueAccessor` * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * @publicApi
    * @Directive((selector: 'option'))
    * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * const ngSelectMultipleOption implements OnDestroy {
    // TODO(issue/24571): remove ?! id !: string
    @Input()
    @see `SelectMultipleControlValueAccessor` * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * @publicApi
    * @Directive((selector: 'option'))
    * export class ɵNgSelectMultipleOption implements OnDestoy {
    ```
```typescript
this._select.writeValue(this._select.value);  
else {  
  this._setElementValue(value);  
}  
}
/**
@internal */
this._setElementValue(value: string): void {
  this._renderer.setProperty(this._element.nativeElement, 'value', value);
}
/** @internal */
this._setSelected(selected: boolean): void {
  this._renderer.setProperty(this._element.nativeElement, 'selected', selected);
}
/** @description
Lifecycle method called before the directive's instance is destroyed. For internal use only.
*/
ngOnDestroy(): void {
  if (this._select) {  
    this._select.writeValue(this._select.value);
  }
}
export {ɵNgSelectMultipleOption as NgSelectMultipleOption};

/**
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 * found in the LICENSE file at https://angular.io/license
 */

import {isDevMode, ɵlooseIdentical as looseIdentical} from '@angular/core';

import {FormArray, FormControl, FormGroup} from '../model';
import {Validators} from '../validators';
import {AbstractControlDirective} from './abstract_control_directive';
import {AbstractFormGroupDirective} from './abstract_form_group_directive';
import {CheckboxControlValueAccessor} from './checkbox_value_accessor';
import {ControlContainer} from './control_container';
import {ControlValueAccessor} from './control_value_accessor';
import {DefaultValueAccessor} from './default_value_accessor';
import {NumberValueAccessor} from './number_value_accessor';
import {RadioControlValueAccessor} from './radio_control_value_accessor';
import {RangeValueAccessor} from './range_value_accessor';
import {FormArrayName} from './reactive_directives/form_group_name';
import {ReactiveErrors} from './reactive_errors';
import {SelectControlValueAccessor} from './select_control_value_accessor';
import {SelectMultipleControlValueAccessor} from './select_multiple_control_value_accessor';

function controlPath(name: string | null, parent: ControlContainer): string[] {
  return [...parent.path !, name !];
}

function setUpControl(control: FormControl, dir: NgControl): void {
  if (!control) _throwError(dir, 'Cannot find control with');
  if (!dir.valueAccessor) _throwError(dir, 'No value accessor for form control with');

  control.validator = Validators.compose([control.validator !, dir.validator]);
  control.asyncValidator = Validators.composeAsync([control.asyncValidator !, dir.asyncValidator]);
  dir.valueAccessor!.writeValue(control.value);

  setUpViewChangePipeline(control, dir);
  setUpModelChangePipeline(control, dir);

  setUpBlurPipeline(control, dir);

  if (dir.valueAccessor!.setDisabledState) {
    control.registerOnDisabledChange((isDisabled: boolean) => { dir.valueAccessor!.setDisabledState!(isDisabled); });
  }

  // re-run validation when validator binding changes, e.g. minlength=3 -> minlength=4
  dir._rawValidators.forEach((validator: Validator | ValidatorFn) => {
    if ((<Validator>validator).registerOnValidatorChange)
      (<Validator>validator).registerOnValidatorChange !(() => control.updateValueAndValidity());
  });

  dir._rawAsyncValidators.forEach((validator: AsyncValidator | AsyncValidatorFn) => {
    if ((<Validator>validator).registerOnValidatorChange)
      (<Validator>validator).registerOnValidatorChange !(() => control.updateValueAndValidity());
  });
}

function cleanUpControl(control: FormControl, dir: NgControl) {
  dir.valueAccessor!.registerOnChange(() => _noControlError(dir));
  dir.valueAccessor!.registerOnTouched(() => _noControlError(dir));

  dir._rawValidators.forEach((validator: any) => {
    if (validator.registerOnValidatorChange)
      validator.registerOnValidatorChange(null);
  });

  dir._rawAsyncValidators.forEach((validator: any) => {
    if (validator.registerOnValidatorChange)
      validator.registerOnValidatorChange(null);
  });

  if (control) control._clearChangeFns();
```
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function updateControl(control: FormControl, dir: NgControl):
void {
  if (control._pendingDirty) control.markAsDirty();
  control.setValue(control._pendingValue,
  {emitModelToViewChange: false});
  dir.viewToModelUpdate(control._pendingValue);
}

collection change = false;\n\nfunction setUpModelChangePipeline(control: FormControl, dir: NgControl):
void {
  control.registerOnChange((newValue: any, emitModelEvent: boolean) => {
    // control -> view
    dir.valueAccessor!.writeValue(newValue);
    // control -> ngModel
    if (emitModelEvent)
    dir.viewToModelUpdate(newValue);
  });\n\nexport function setUpFormContainer(
  control: FormGroup | FormArray, dir: AbstractFormGroupDirective | FormArrayName) {
  if (control == null) _throwError(dir, 'Cannot find control with');\n  control.validator = Validators.compose([control.validator, dir.validator]);
  control.asyncValidator = Validators.composeAsync([control.asyncValidator, dir.asyncValidator]);
}

function _noControlError(dir: NgControl) {
  return _throwError(dir, 'There is no FormControl instance attached to form');
}

function _throwError(dir: AbstractControlDirective, message: string): void {
  let messageEnd: string;
  if (dir.path!.length > 1) {
    messageEnd = `path: '${dir.path!.join(' -> ')}'`;\n  } else if (dir.path ![0]) {
    messageEnd = `name: '${dir.path}'`;\n  } else {
    messageEnd = 'unspecified name attribute';\n  }
  throw new Error(`${message} ${messageEnd}`);
}

export function composeValidators(validators: Array<Validator|ValidatorFn>): ValidatorFn|null {
  return validators != null ? Validators.compose(validators.map(normalizeValidator)) : null;
}

export function composeAsyncValidators(validators: Array<AsyncValidator|AsyncValidatorFn>):
    AsyncValidatorFn|null {
  return validators != null ? Validators.composeAsync(validators.map(normalizeAsyncValidator)) : null;
}

export function isPropertyUpdated(changes: {[key: string]: any}, viewModel: any): boolean {
  if (!changes.hasOwnProperty('model')) return false;
  const change = changes['model'];
  if (change.isFirstChange()) return true;
  return !looseIdentical(viewModel, change.currentValue);
}

const BUILTIN_ACCESSORS = [
  CheckboxControlValueAccessor,
  RangeValueAccessor,
  NumberValueAccessor,
  SelectControlValueAccessor,
  RadioControlValueAccessor,
];\n\nexport function isBuiltInAccessor(valueAccessor: ControlValueAccessor): boolean {
  return BUILTIN_ACCESSORS.some(a => valueAccessor.constructor === a);
}

export function syncPendingControls(form: FormGroup, directives: NgControl[]): void {
  form._syncPendingControls();
  directives.forEach(dir => {
    const control = dir.control as FormControl;
    if (control.updateOn === 'submit' && control._pendingChange) {
      dir.viewToModelUpdate(control._pendingValue);
      control._pendingChange = false;
    }
  });
}

export function removeDir<T>(list: T[], el: T): void {
  const index = list.indexOf(el);
  if (index > -1) list.splice(index, 1);
}

// TODO: vsavkin remove it once
export function _ngModelWarning(
  name: string,
type: {_ngModelWarningSentOnce: boolean},
instance: {_ngModelWarningSent: boolean}, warningConfig: string | null) {
  if (!isDevMode() || warningConfig === 'never') return;
  if (((warningConfig === null || warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
      (warningConfig === 'always' && !instance._ngModelWarningSent)) {
    ReactiveErrors.ngModelWarning(name);
  }
}

// TODO(kara): remove after deprecation period
export function _noModelWarningSentOnce(): boolean {
  return false;
}

export function defaultName(key: string): string {
  return key.replace('.', '_');
}

export function looseIdentical(a: any, b: any): boolean {
  if (a === b) return true;
  if (a == null || b == null) return false;
  if (typeof a != 'object' || typeof b != 'object') return false;
  const len = Object.keys(a).length;
  if (Object.keys(b).length != len) return false;
  for (let i = 0; i < len; i++) {
    const key = Object.keys(a)[i];
    const valueA = a[key];
    const valueB = b[key];
    if (valueA == null && valueB != null) return false;
    if (valueA != null && valueB == null) return false;
    if (Array.isArray(valueA) && Array.isArray(valueB)) {
      if (valueA.length != valueB.length) return false;
      for (let j = 0; j < valueA.length; j++) {
        const itemA = valueA[j];
        const itemB = valueB[j];
        if (looseIdentical(itemA, itemB) || looseIdentical(itemB, itemA)) continue;
        return false;
      }
    } else if (typeof valueA == 'object' && typeof valueB == 'object') {
      if (!looseIdentical(valueA, valueB)) return false;
    } else { // not array // not object
      if (valueA != valueB) return false;
    }
  }
  return true;
}

export function removeDir<T>(list: T[], el: T): void {
  const index = list.indexOf(el);
  if (index > -1) list.splice(index, 1);
}

// TODO(kara): remove after deprecation period
export function _ngModelWarning(
  name: string,
type: {_ngModelWarningSentOnce: boolean},
instance: {_ngModelWarningSent: boolean}, warningConfig: string | null) {
  if (!isDevMode() || warningConfig === 'never') return;
  if (((warningConfig === null || warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
      (warningConfig === 'always' && !instance._ngModelWarningSent)) {
    ReactiveErrors.ngModelWarning(name);
  }
}
type._ngModelWarningSentOnce = true;
instance._ngModelWarningSent = true;

if (!_ngModelWarningSentOnce) {
  instance._ngModelWarningSent = true;
}

/**
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 * found in the LICENSE file at https://angular.io/license
 */

import {EventEmitter} from '@angular/core';
import {Observable} from 'rxjs';
import {composeAsyncValidators, composeValidators} from './directives/shared';
import {AsyncValidatorFn, ValidationErrors, ValidatorFn} from './validators';

/**
 * Reports that a FormControl is valid,
 * meaning that no errors exist in the input value.
 * @see `status`
 * @see `export const VALID = 'VALID'`;
 * @see `export const INVALID = 'INVALID'`;
 * @see `export const PENDING = 'PENDING'`;
 * @see `export const DISABLED = 'DISABLED'`;
 * @see `markAsPending`;
 * @see `markAsDisabled`
 * @see `markAsValid`
 */
export const VALID = 'VALID';

/**
 * Reports that a FormControl is invalid,
 * meaning that an error exists in the input value.
 * @see `status`
 * @see `export const INVALID = 'INVALID'`;
 * @see `export const PENDING = 'PENDING'`;
 * @see `export const DISABLED = 'DISABLED'`;
 * @see `markAsPending`;
 * @see `markAsDisabled`
 */
export const INVALID = 'INVALID';

/**
 * Reports that a FormControl is pending,
 * meaning that that async validation is occurring and
 * errors are not yet available for the input value.
 * @see `status`
 * @see `export const PENDING = 'PENDING'`;
 * @see `export const DISABLED = 'DISABLED'`;
 * @see `markAsPending`;
 * @see `markAsDisabled`
 */
export const PENDING = 'PENDING';

/**
 * Reports that a FormControl is disabled,
 * meaning that the control is exempt from ancestor
 * calculations of validity or value.
 * @see `status`
 * @see `markAsDisabled`
 */
export const DISABLED = 'DISABLED';

function _find(control: AbstractControl, path: Array<string|number>| string, delimiter: string) {
  if (path == null) return null;

  if (!Array.isArray(path)) {
    path = path.split(delimiter);
  }
  if (Array.isArray(path) && path.length === 0)
    return null;

  // Not using Array.reduce here due to a Chrome 80 bug
  // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
  let controlToFind: AbstractControl|null = control;
  path.forEach((name: string | number) => {
    if (controlToFind instanceof FormGroup) {
      controlToFind = controlToFind.controls.hasOwnProperty(name as string) ?
          controlToFind.controls[name] :
          null;
    } else if (controlToFind instanceof FormArray) {
      controlToFind = controlToFind.at(<number>name) || null;
    } else {
      controlToFind = null;
    }
  });
  return
}

/**
 * Interface for options provided to an
 * `AbstractControl`.
 */
export interface AbstractControlOptions {
  /**
   * The list of validators applied to a control.
   */
  validators?: ValidatorFn|ValidatorFn[]|null;
  /**
   * The list of async validators applied to control.
   */
  asyncValidators?: AsyncValidatorFn|AsyncValidatorFn[]|null;
  /**
   * The event name for control to update
   * upon.
   */
  updateOn?: 'change'|'blur'|'submit'|'reset'|null;
}

function isOptionsObj(validatorOrOpts?: ValidatorFn | ValidatorFn[] | AbstractControlOptions | null): boolean {
  return validatorOrOpts != null &&
      !Array.isArray(validatorOrOpts) &&
      typeof validatorOrOpts === 'object';
}

/**
 * This is the base class
 * for `FormControl`, `FormGroup`, and `FormArray`.
 */
export abstract class AbstractControl {
  /** @internal */
  // TODO(issue/24571): remove '!'.
  _pendingDirty !: boolean;

  /** @internal */
  // TODO(issue/24571): remove '!'.
  _pendingTouched !: boolean;

  /** @internal */
  _onCollectionChange = () => {};

  /** @internal */
  // TODO(issue/24571): remove '!'.
  _updateOn !:
}

// TODO(issue/24571): remove '!'.
private _parent !: FormGroup | FormArray;
private
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@constructor(public validator: ValidatorFn|null, public asyncValidator: AsyncValidatorFn|null) {}

/**
   * The asyncValidator The function that determines the asynchronous validity of this control.
   */

/**
   * True if the control has any status other than DISABLED, false otherwise.
   */
  get invalid(): boolean { return this.status === INVALID; }

/**
  * A control is `pending` when its `status` is PENDING.
  *
  * @see {@link AbstractControl.status}
  *
  */
  get pending(): boolean { return this.status == PENDING; }

/**
  * A control is `invalid` when it has failed one or more of its validation checks.
  * * **VALID**: This control has passed all validation checks.
  * * **INVALID**: This control has failed at least one validation check.
  * * **PENDING**: This control is in the midst of conducting a validation check.
  * * **DISABLED**: This control is exempt from validation checks.
  *
  * These status values are mutually exclusive, so a control cannot be
  * both valid AND invalid or invalid AND disabled.
  *
  * // TODO(issue/24571): remove !:
  *
  */
  public readonly errors !: ValidationErrors |

/**
   * A control is `dirty` if the status of the control has failed passed all of its validation tests, false otherwise.
   */
  get dirty(): boolean { return this.status === INVALID; }
synchronous validators that are active on this control. Calling
* `updateValueAndValidity()` for the new validation to take effect.

* `setValidators(newValidator: ValidatorFn|ValidatorFn[]|null): void {`

  this.validator = coerceToValidator(newValidator);
} 

/* * Empties out the sync validator list.
* When you add or remove a validator at run time, you must call
* `updateValueAndValidity()` for the new validation to take effect.
*/

  setValidators(newValidator: ValidatorFn|ValidatorFn[]|null): void {
    this.validator = coerceToValidator(newValidator);
  }

  /**
   * Sets the async validators that are active on this
   * control. Calling this overwrites any existing async validators.
   *
   */
  setAsyncValidators(newValidator: AsyncValidatorFn|AsyncValidatorFn[]|null): void {
    this.asyncValidator = coerceToAsyncValidator(newValidator);
  }

  /**
   * Empties out the async validator list.
   * When you add or remove a validator at run time, you must call
   * `updateValueAndValidity()` for the new validation to take effect.
   */
  clearValidators(): void { this.validator = null; }

  /**
   * Empties out the async validator list.
   * When you add or remove a validator at run time, you must call
   * `updateValueAndValidity()` for the new validation to take effect.
   */
  clearAsyncValidators(): void { this.asyncValidator = null; }

  /**
   * Marks the control as `touched`. A control is touched by focus and blur events that do not change the value.
   * @see `markAsUntouched()`
   * @see `markAsDirty()`
   * @see `markAsPristine()`
   *
   * @param opts Configuration options that determine how the control propagates changes and emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   * marks all direct ancestors. Default is false.
   */
  markAsTouched(opts: {onlySelf?: boolean} = {}): void {
    (this as {touched: boolean}).touched = true;

    if (this._parent && !opts.onlySelf) {
      this._parent.markAsTouched(opts);
    }
  }

  /**
   * Marks the control and all its descendant controls as
   * `touched`. A control becomes dirty when its value is changed through the UI; compare `markAsTouched`.
   *
   * @param opts Configuration options that determine how the control propagates changes and
   * emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   */
  markAllAsTouched(): void {
    this.markAsTouched({onlySelf: true});

    this._forEachChild((control: AbstractControl) => control.markAllAsTouched());
  }

  /**
   * Marks the control as `untouched`.
   *
   * If the control has any children, also marks all children as `untouched`
   * and recalculates the `touched` status of all parent controls.
   * @param opts Configuration options that determine how the control propagates changes and
   * emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   */
  markAsUntouched(opts: {onlySelf?: boolean} = {}): void {
    (this as {touched: boolean}).touched = false;

    this._pendingTouched = false;

    this._forEachChild((control: AbstractControl) =>
        { control.markAsUntouched({onlySelf: true}); });

    if (this._parent && !opts.onlySelf) {
      this._parent.updateTouched(opts);
    }
  }

  /**
   * Marks the control as `dirty`.
   *
   * If the control has any children, also marks all children as `dirty` and recalculates the pristine status of all parent controls.
   * @param opts Configuration options that determine how the control propagates changes and
   * emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   */
  markAsDirty(opts: {onlySelf?: boolean} = {}): void {
    (this as {pristine: boolean}).pristine = false;

    if (this._parent && !opts.onlySelf) {
      this._parent.markAsDirty(opts);
    }

    this._pendingDirty = false;

    this._forEachChild((control: AbstractControl) =>
        { control.markAsDirty({onlySelf: true}); });

    if (this._parent && !opts.onlySelf) {
      this._parent.updateDirty(opts);
    }
  }

  /**
   * Marks the control as `pristine`.
   *
   * If the control has any children, also marks all children as `pristine` and recalculates the pristine status of all parent controls.
   * @param opts Configuration options that determine how the control propagates changes and
   * emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   */
  markAsPristine(opts: {onlySelf?: boolean} = {}): void {
    (this as {pristine: boolean}).pristine = true;

    this._pendingDirty = false;

    this._forEachChild((control: AbstractControl) =>
        { control.markAsPristine({onlySelf: true}); });

    if (this._parent && !opts.onlySelf) {
      this._parent.updatePristine(opts);
    }
  }

  /**
   * Marks the control as `pending`.
   *
   * A control is pending while the control performs async validation.
   * @param opts Configuration options that determine how the control propagates changes and
   * emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   */
  markAsPending(opts: {onlySelf?: boolean} = {}): void {
    (this as {pending: boolean}).pending = true;

    this._pendingDirty = false;

    this._forEachChild((control: AbstractControl) =>
        { control.markAsPending({onlySelf: true}); });

    if (this._parent && !opts.onlySelf) {
      this._parent.updatePending(opts);
    }
  }

  /**
   * Empties out the async validator list.
   * When you add or remove a validator at run time, you must call
   * `updateValueAndValidity()` for the new validation to take effect.
   */
  clearAsyncValidators(): void {
    this.asyncValidator = null;
  }

  /**
   * Empties out the sync validator list.
   * When you add or remove a validator at run time, you must call
   * `updateValueAndValidity()` for the new validation to take effect.
   */
  clearValidators(): void {
    this.validator = null;
  }

  /**
   * Configures the control's validators.
   *
   * @param validator Configuration options that determine how the control propagates changes and
   * emits events after marking is applied.
   * @param onlySelf: When true, mark only this control. When false or not supplied,
   * marks all direct ancestors. Default is false.
   */
  configureValidator(validator: ValidatorFn|ValidatorFn[]|null): void {
    this.validator = validator;
  }
direct ancestors. Default is false.

**`emitEvent`**: When true or not supplied (the default), the `statusChanges` observable emits an event with the latest status the control is marked pending.

* When false, no events are emitted.

* If the control has children, all children are disabled.

* @param opts Configuration options that determine how the control propagates changes and emits events after the control is disabled.

* `onlySelf`**: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent`**: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is disabled.

* When false, no events are emitted.

**disable**(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void

* If parent has been marked artificially dirty we don't want to re-calculate the

* parent's dirtiness based on the children.

* This as `string`).status = DISABLED;

* `onlySelf`**: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent`**: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is disabled.

* When false, no events are emitted.

**disable**(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void

* If parent has been marked artificially dirty we don't want to re-calculate the

* parent's dirtiness based on the children.

* This as `string`).status = DISABLED;

* `onlySelf`**: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent`**: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is disabled.

* When false, no events are emitted.

**disable**(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void

* If parent has been marked artificially dirty we don't want to re-calculate the

* parent's dirtiness based on the children.

* This as `string`).status = DISABLED;

* `onlySelf`**: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent`**: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is disabled.

* When false, no events are emitted.

**disable**(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void

* If parent has been marked artificially dirty we don't want to re-calculate the

* parent's dirtiness based on the children.

* This as `string`).status = DISABLED;

* `onlySelf`**: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false.

* `emitEvent`**: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is disabled.

* When false, no events are emitted.
emitted.
 */
updateValueAndValidity(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {
  (this.valueChanges as EventEmitter<any>).emit(this.value);  
  (this.statusChanges as EventEmitter<string>).emit(this.status);
  if (this.enabled) {
    this._cancelExistingSubscription();
    this._updateValue();

    if (this.enabled) {
      this._cancelExistingSubscription();
      (this as{errors: ValidationErrors | null}).errors = this._runValidator();
      (this as{status: string}).status = this._calculateStatus();

      if (this.status === VALID || this.status === PENDING) {
        this._runAsyncValidator(opts.emitEvent);
      }
    }
  }

  if (opts.emitEvent !== false) {
    (this.valueChanges as EventEmitter<any>).emit(this.value);
    (this.statusChanges as EventEmitter<string>).emit(this.status);
  }

  if (this._parent && !opts.onlySelf) {
    this._parent.updateValueAndValidity(opts);
  }
}

/**
  @internal */
_updateTreeValidity(opts: {emitEvent?: boolean} = {emitEvent: true}) {
  this._forEachChild((ctrl: AbstractControl) => ctrl._updateTreeValidity(opts));
  this.updateValueAndValidity({onlySelf: true, emitEvent: opts.emitEvent});
}

_setInitialStatus() {
  (this as{status: string}).status = this._allControlsDisabled() ? DISABLED : VALID;
}

_runValidator(): ValidationErrors|null {
  return this.validator ? this.validator(this) : null;
}

_runAsyncValidator(emitEvent?: boolean): void {
  if (this.asyncValidator) {
    (this as{status: string}).status = PENDING;
    const obs = toObservable(this.asyncValidator(this));
    this._asyncValidationSubscription = obs.subscribe((errors: ValidationErrors | null) =>
      this.setErrors(errors, {emitEvent}));
  }
}

_cancelExistingSubscription(): void {
  if (this._asyncValidationSubscription) {
    this._asyncValidationSubscription.unsubscribe();
  }
}

_setAsynchronousValidationSubscription(): void {
  void (null if (this._asynchronousValidationSubscription));
  this._asynchronousValidationSubscription.unsubscribe();
  @internal *\n  * Sets errors on a form control when running validations manually, rather than automatically.
  * `Calling` _setErrors` also updates the validity of the parent control.
  * @usageNotes * ```
  *   Manually set the errors for a control
  *   `const login = new FormControl('someLogin');`
  *   login.setErrors(
  *     `{
  *       notUnique: true,
  *     }
  *   );`
  * ```
  * @returns null
  */
  * Sets a child control given the control’s name or path.
  * @param path A dot-delimited string or array of string/number values that define the path to the
  * control.
  * @returns null
  * @param param A list of control names that designates how to move from the current control
  * * to the control that should be queried for errors.
  * @usageNotes * ```
  *   For example, for the following `FormGroup`:
  *   ```
  *   form = new FormGroup({
  *     address: new FormGroup({ street: new FormControl() })
  *   });
  *   ```
  *   The path to the 'street' control from the root form would be 'address' -> 'street'.
  *   It can be provided to this method in one of two formats:
  *   ```
  *   * 1. An array of string control names, e.g. `['address', 'street']`
  *   * 1. A period-delimited list of control names in one string, e.g. `address.street`
  * ```
  * @returns whether the given error is present in the control at the given path.
  */
  * getError(errorCode: string, path?:
  * @returns error data for that particular error. If the control or error is not present,
  */
  * Returns the error data for the control with the given path.
  */
  * hasError(errorCode: string, path?:
  */
  * Array<string|number>|
  * const control = path ? this.getPath() : this; return control &&
  * control.errors ? controlErrors[errorCode] : null;
  */
  * Reports whether the control with the given path has the error specified.
  */
  * getError(errorCode: string, path?:
  */
  * Array<string|number>|
  * if (err) return err.errorCode; return path;
Array<string|number>|string): boolean {
  return !!this.getError(errorCode, path);
}

/**
 * Retrieves the top-level ancestor of this control.
 * Returns this if (this as AbstractControl) == control.
 */
get root(): AbstractControl {
  let x: AbstractControl = this;
  while (x._parent) {
    x = x._parent;
  }
  return x;
}

/** @internal */
_updateControlsErrors(emitEvent: boolean): void {
  (this as {statusChanges as EventEmmitter<string>})._emitEvent(emitEvent);
  if (emitEvent) {
    if (this._anyControlsHaveStatus(PENDING)) return PENDING;
    if (this._anyControlsHaveStatus(INVALID)) return INVALID;
    if (this._allControlsDisabled()) return DISABLED;
    if (this._allControlsDirty()) return PENDING;
  } else {
    if (this._allControlsInvalid()) return INVALID;
    if (this._allControlsInvalid()) return INVALID;
  }
}

/** @internal */
_root(): AbstractControl {
  let x: AbstractControl = this;
  while (x._parent) {
    x = x._parent;
  }
  return x;
}

/** @internal */
_initObservables(): void {
  (this as {statusChanges as Observable<any>}).statusChanges = null;
}

/** @internal */
_updateValue(): void {
  (this as AbstractControl).valueChanges = new EventEmmitter<any>(true);
}

/** @internal */
_asyncPendingControls(): boolean {
  return Promise.all(this._pendingControls.map((control) => control._updateValue()));
}

/** @internal */
_someControlsDisabled(): boolean {
  return this._anyControls(() => control._isDisabled());
}

/** @internal */
_someControlsDirty(): boolean {
  return this._anyControls(() => control._isDirty());
}

/** @internal */
_someControlsTouched(): boolean {
  return this._anyControls(() => control._isTouched());
}

/** @internal */
_updatePristine(): void {
  (this as {pristine: boolean}).pristine = !this._anyControlsDirty();
  if (this._parent) {
    this._parent._updatePristine();
  }
}

/** @internal */
_updateTouched(): void {
  (this as {touched: boolean}).touched = this._anyControlsTouched();
  if (this._parent) {
    this._parent._updateTouched();
  }
}

/** @internal */
_onCollectionChange: Function[] = [];

/** @internal */
_registerOnCollectionChange(fn: () => void): void {
  this._onCollectionChange.push(fn);
}

/** @internal */
_setUpdateStrategy(opts?: UpdateStrategy, onlySelf?: boolean): void {
  if (isOptionsObj(opts) && (opts as AbstractControlOptions).updateOn != null) {
    this._updateOn = (opts as AbstractControlOptions).updateOn;
  }
}

/** @internal */
_updateControlsErrors(emitEvent: boolean): void {
  (this as {statusChanges as EventEmmitter<string>})._emitEvent(emitEvent);
  if (emitEvent) {
    if (this._anyControlsHaveStatus(PENDING)) return PENDING;
    if (this._anyControlsHaveStatus(INVALID)) return INVALID;
    if (this._allControlsDisabled()) return DISABLED;
  } else {
    if (this._allControlsInvalid()) return INVALID;
    if (this._allControlsDisabled()) return DISABLED;
  }
}

/** @internal */
_root(): AbstractControl {
  let x: AbstractControl = this;
  while (x._parent) {
    x = x._parent;
  }
  return x;
}

/** @internal */
_initObservables(): void {
  (this as {statusChanges as Observable<any>}).statusChanges = new EventEmmitter<any>(true);
}

/** @internal */
_updateValue(): void {
  (this as AbstractControl).valueChanges = new EventEmmitter<any>(true);
}

/** @internal */
_asyncPendingControls(): boolean {
  return Promise.all(this._pendingControls.map((control) => control._updateValue()));
}

/** @internal */
_someControlsDisabled(): boolean {
  return this._anyControls(() => control._isDisabled());
}

/** @internal */
_someControlsDirty(): boolean {
  return this._anyControls(() => control._isDirty());
}

/** @internal */
_someControlsTouched(): boolean {
  return this._anyControls(() => control._isTouched());
}

/** @internal */
_updatePristine(): void {
  (this as {pristine: boolean}).pristine = !this._anyControlsDirty();
  if (this._parent) {
    this._parent._updatePristine();
  }
}

/** @internal */
_updateTouched(): void {
  (this as {touched: boolean}).touched = this._anyControlsTouched();
  if (this._parent) {
    this._parent._updateTouched();
  }
}

/** @internal */
_onCollectionChange: Function[] = [];

/** @internal */
_registerOnCollectionChange(fn: () => void): void {
  this._onCollectionChange.push(fn);
}

/** @internal */
_setUpdateStrategy(opts?: UpdateStrategy, onlySelf?: boolean): void {
  if (isOptionsObj(opts) && (opts as AbstractControlOptions).updateOn != null) {
    this._updateOn = (opts as AbstractControlOptions).updateOn;
  }
}

/** @internal */
_updateValue(): void {
  (this as AbstractControl).valueChanges = new EventEmmitter<any>(true);
}

/** @internal */
_asyncPendingControls(): boolean {
  return Promise.all(this._pendingControls.map((control) => control._updateValue()));
}

/** @internal */
_someControlsDisabled(): boolean {
  return this._anyControls(() => control._isDisabled());
}

/** @internal */
_someControlsDirty(): boolean {
  return this._anyControls(() => control._isDirty());
}

/** @internal */
_someControlsTouched(): boolean {
  return this._anyControls(() => control._isTouched());
}

/** @internal */
_updatePristine(): void {
  (this as {pristine: boolean}).pristine = !this._anyControlsDirty();
  if (this._parent) {
    this._parent._updatePristine();
  }
}

/** @internal */
_updateTouched(): void {
  (this as {touched: boolean}).touched = this._anyControlsTouched();
  if (this._parent) {
    this._parent._updateTouched();
  }
}

/** @internal */
_onCollectionChange: Function[] = [];

/** @internal */
_registerOnCollectionChange(fn: () => void): void {
  this._onCollectionChange.push(fn);
}

/** @internal */
_setUpdateStrategy(opts?: UpdateStrategy, onlySelf?: boolean): void {
  if (isOptionsObj(opts) && (opts as AbstractControlOptions).updateOn != null) {
    this._updateOn = (opts as AbstractControlOptions).updateOn;
  }
}
FormControl(‘’, { updateOn: ‘submit’ });

const control = new FormControl(‘Nancy’);

```

### Reset the control back to an initial value

You reset to a specific form state by passing through a standalone value or a form state object that contains both a value and a disabled state (these are the only two properties that cannot be calculated).

```

const control = new FormControl(‘Nancy’);

```

reset to a specific form state by passing through a standalone value or a form state object that contains both a value and a disabled state.

```

export class FormControl extends AbstractControl {

/**
 * Creates a new FormControl instance.
 *
 * @param formState Initializes the control with an initial value, or an object that defines the initial value and disabled state.
 * @param validatorOrOpts A synchronous validator function, or an array of such functions, or an `AbstractControlOptions` object that contains validation functions and a validation trigger.
 * @param asyncValidator A single async validator or array of async validator functions.
 */
constructor(
    formState: any = null,
    validatorOrOpts?: ValidatorFn|ValidatorFn[],
    asyncValidator?: AsyncValidatorFn|AsyncValidatorFn[]|null)
```

markAsPristine(options: {onlySelf?: boolean, emitEvent?: boolean} = {}):

```

reset(formState: any = null, validatorOrOpts?: ValidatorFn|ValidatorFn[], asyncValidator?: AsyncValidatorFn|AsyncValidatorFn[]|null) {

markAsUntouched(options: {onlySelf?: boolean, emitEvent?: boolean} = {}):

```

get control back to an initial value.

You reset to a specific form state by passing through a standalone value or a form state object that contains both a value and a disabled state (these are the only two properties that cannot be calculated).

```

```

const control = new FormControl(‘Nancy’);

```

markAsPristine(options: {onlySelf?: boolean, emitEvent?: boolean} = {}):

```

markAsUntouched(options: {onlySelf?: boolean, emitEvent?: boolean} = {}):

```

```
/**\n * @internal\n */\n _updateValue() {}\n\n /**\n * @internal\n */\n _anyControls(condition: Function):
boolean { return false; }\n\n /**\n * @internal\n */\n _allControlsDisabled(): boolean { return this.disabled;
}\n\n /**\n * Register a listener for change events.\n *\n * @param fn The method that is called when the value
changes\n */\n registerOnChange(fn: Function): void { this._onChange.push(fn); }\n\n /**\n * @internal\n */\n
_clearChangeFns(): void {\n this._onChange = [];\n this._onDisabledChange = [];\n this._onCollectionChange
= () => {};\n }\n\n /**\n * Register a listener for disabled events.\n *\n * @param fn The method that is called
when the disabled status changes.\n */\n registerOnDisabledChange(fn: (isDisabled: boolean) => void): void {\n
this._onDisabledChange.push(fn);\n }\n\n /**\n * @internal\n */\n _forEachChild(cb: Function): void {}\n\n
/** @internal */\n _syncPendingControls(): boolean {\n if (this.updateOn === 'submit') {\n
if
(this._pendingDirty) this.markAsDirty();\n
if (this._pendingTouched) this.markAsTouched();\n
if
(this._pendingChange) {\n
this.setValue(this._pendingValue, {onlySelf: true, emitModelToViewChange:
false});\n
return true;\n
}\n }\n return false;\n }\n\n private _applyFormState(formState: any) {\n if
(this._isBoxedValue(formState)) {\n
(this as{value: any}).value = this._pendingValue = formState.value;\n
formState.disabled ? this.disable({onlySelf: true, emitEvent: false}) :\n
this.enable({onlySelf: true,
emitEvent: false});\n } else {\n
(this as{value: any}).value = this._pendingValue = formState;\n }\n
}\n}\n\n/**\n * Tracks the value and validity state of a group of `FormControl` instances.\n *\n * A `FormGroup`
aggregates the values of each child `FormControl` into one object,\n * with each control name as the key. It
calculates its status by reducing the status values\n * of its children. For example, if one of the controls in a group is
invalid, the entire\n * group becomes invalid.\n *\n * `FormGroup` is one of the three fundamental building blocks
used to define forms in Angular,\n * along with `FormControl` and `FormArray`.\n *\n * When instantiating a
`FormGroup`, pass in a collection of child controls as the first\n * argument. The key for each child registers the
name for the control.\n *\n * @usageNotes\n *\n * ### Create a form group with 2 controls\n *\n * ```\n * const
form = new FormGroup({\n * first: new FormControl('Nancy', Validators.minLength(2)),\n * last: new
FormControl('Drew'),\n * });\n *\n * console.log(form.value); // {first: 'Nancy', last; 'Drew'}\n *
console.log(form.status); // 'VALID'\n * ```\n *\n * ### Create a form group with a group-level validator\n *\n *
You include group-level validators as the second arg, or group-level async\n * validators as the third arg. These
come in handy when you want to perform validation\n * that considers the value of more than one child control.\n
*\n * ```\n * const form = new FormGroup({\n * password: new FormControl('', Validators.minLength(2)),\n *
passwordConfirm: new FormControl('', Validators.minLength(2)),\n * }, passwordMatchValidator);\n *\n *\n *
function passwordMatchValidator(g: FormGroup) {\n * return g.get('password').value ===
g.get('passwordConfirm').value\n *
? null : {'mismatch': true};\n * }\n * ```\n *\n * Like `FormControl`
instances, you choose to pass in\n * validators and async validators as part of an options object.\n *\n * ```\n * const
form = new FormGroup({\n * password: new FormControl('')\n * passwordConfirm: new FormControl('')\n * }, {
validators: passwordMatchValidator, asyncValidators: otherValidator });\n * ```\n *\n * ### Set the updateOn
property for all controls in a form group\n *\n * The options object is used to set a default value for each child\n *
control's `updateOn` property. If you set `updateOn` to `'blur'` at the\n * group level, all child controls default to
'blur', unless the child\n * has explicitly specified a different `updateOn` value.\n *\n * ```ts\n * const c = new
FormGroup({\n * one: new FormControl()\n * }, { updateOn: 'blur' });\n * ```\n *\n * @publicApi\n */\nexport
class FormGroup extends AbstractControl {\n /**\n * Creates a new `FormGroup` instance.\n *\n * @param
controls A collection of child controls. The key for each child is the name\n * under which it is registered.\n *\n *
@param validatorOrOpts A synchronous validator function, or an array of\n * such functions, or an
`AbstractControlOptions` object that contains validation functions\n * and a validation trigger.\n *\n * @param
asyncValidator A single async validator or array of async validator functions\n *\n */\n constructor(\n public
controls: {[key: string]: AbstractControl},\n
validatorOrOpts?:
ValidatorFn|ValidatorFn[]|AbstractControlOptions|null,\n
asyncValidator?:
AsyncValidatorFn|AsyncValidatorFn[]|null) {\n super(\n
coerceToValidator(validatorOrOpts),\n
coerceToAsyncValidator(asyncValidator, validatorOrOpts));\n this._initObservables();\n
this._setUpdateStrategy(validatorOrOpts);\n this._setUpControls();\n this.updateValueAndValidity({onlySelf:

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true, emitEvent: false});
  }

  /**
   * Registers a control with the group's list of controls.
   * This method does not update the value or validity of the control.
   * Use {@link FormGroup#addControl addControl} instead.
   * *
   * @param name The control name to register in the collection.
   */
  registerControl(name: string, control: AbstractControl): AbstractControl {
    if (this.controls[name]) return this.controls[name];
    this.controls[name] = control;
    control.setParent(this);
    control._registerOnCollectionChange(this._onCollectionChange);
    return control;
  }

  /**
   * Add a control to this group.
   * This method also updates the value and validity of the control.
   * Use {@link FormGroup#addControl addControl} instead.
   * *
   * @param name The control name to add to the collection.
   * @param control Provides the control for the given name.
   */
  addControl(name: string, control: AbstractControl): void {
    this.registerControl(name, control);
    this.updateValueAndValidity();
    this._onCollectionChange();
  }

  /**
   * Remove a control from this group.
   * *
   * @param name The control name to remove from the collection.
   */
  removeControl(name: string): void {
    if (this.controls[name]) this.controls[name]._registerOnCollectionChange(() => {});
    delete this.controls[name];
    this.updateValueAndValidity();
    this._onCollectionChange();
  }

  /**
   * Replace an existing control.
   * *
   * @param name The control name to replace in the collection.
   * @param control Provides the control for the given name.
   */
  setControl(name: string, control: AbstractControl): void {
    if (this.controls[name]) this.controls[name]._registerOnCollectionChange(() => {});
    delete this.controls[name];
    if (control) this.registerControl(name, control);
    this.updateValueAndValidity();
    this._onCollectionChange();
  }

  /**
   * Check whether there is an enabled control with the given name in the group.
   * *
   * @param controlName The control name to check for existence.
   * @returns false for disabled controls, true otherwise.
   */
  contains(controlName: string): boolean {
    return this.controls.hasOwnProperty(controlName) && this.controls[controlName].enabled;
  }

  /**
   * Sets the value of the `FormGroup`. It accepts an object that matches the structure of the group,
   * with control names as keys.
   * *
   * @param value The new value for the control that matches the structure of the group.
   * @param options Configuration options that determine how the control propagates changes and emits events after the value changes.
   * *
   * The configuration options are passed to the {@link AbstractControl#updateValueAndValidity updateValueAndValidity} method.
   * *
   * @throws When strict checks fail, such as setting the value of a control that doesn't exist or if you exclude a value of a control that does exist.
   * *
   * @param value The new value for the control that matches the structure of the group.
   */
  setValue(value: {[key: string]: any}, options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {
    this._checkAllValuesPresent(value);
    Object.keys(value).forEach(name => {
      this._throwIfControlMissing(name);
      this.controls[name].setValue(value[name], {onlySelf: true, emitEvent: options.emitEvent});
    });
    this.updateValueAndValidity(options);
    this._onCollectionChange();
  }

  /**
   * Patches the value of the `FormGroup`. It accepts an object with control names as keys, and does its best to match the values to the correct controls in the group.
   * *
   * @param value The object that matches the structure of the group.
   * @param options Configuration options that determine how the control propagates changes and emits events after the value is patched.
   * *
   * The configuration options are passed to the {@link AbstractControl#updateValueAndValidity updateValueAndValidity} method.
   * *
   * @param value The object that matches the structure of the group.
   * @param options Configuration options that determine how the control propagates changes and emits events after the value is patched.
   * *
   * The configuration options are passed to the {@link AbstractControl#updateValueAndValidity updateValueAndValidity} method.
   * *
   * @param value The object that matches the structure of the group.
   */
  patchValue(value: {[key: string]: any}, options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {
    Object.keys(value).forEach(name => {
      this._throwIfControlMissing(name);
      this.controls[name].setValue(value[name], {onlySelf: true, emitEvent: options.emitEvent});
    });
    this.updateValueAndValidity(options);
    this._onCollectionChange();
  }

  /**
   * Validates the `FormGroup`.
   * *
   * @returns true if the form is valid, false otherwise.
   */
  isValid(): boolean {
    return this.valid;
with the latest status and value when the control value is updated. When false, no events are emitted. The
configuration options are passed to the @link AbstractControl#updateValueAndValidity
method. */

### Reset the form group values

```ts
const form = new FormGroup({'first': new FormControl('first name'), 'last': new FormControl('last name')});
```

### Reset the form group values

```ts
const form = new FormGroup({
  first: new FormControl('first name'),
  last: new FormControl('last name')
});
```
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```javascript
Function) {
  let res = initValue;
  this._forEachChild(control => {
    res = fn(res, control, name);
    this._forEachChild((control, name) => { res = fn(res, control, name); });
  });
  return res;
}

/** @internal */
_allControlsDisabled(): boolean {
  for (const controlName of Object.keys(this.controls)) {
    if (this.controls[controlName].enabled) {
      return false;
    }
  }
  return Object.keys(this.controls).length > 0 || this.disabled;
}

/** @internal */
_checkAllValuesPresent(value: any): void {
  this._forEachChild((control: AbstractControl, name: string) => {
    if (value[name] === undefined) {
      throw new Error(`Must supply a value for form control with name: '${name}'.`);
    }
  });
}

/**
 * Tracks the value and validity state of an array of `FormControl`, `FormGroup` or `FormArray`
 * instances.
 *
 * A `FormArray` aggregates the values of each child `FormControl` into an array. It calculates its status by
 * reducing the status values of its children. For example, if one of the controls in a `FormArray` is invalid,
 * the entire array becomes invalid.
 *
 * The two types of validators are passed in separately as the second and third arguments, or together as part
 * of an options object.
 *
 * @usageNotes
 * 
 * ### Create an array of form controls
 * 
 * ```
 * const arr = new FormArray(
 *   [new FormControl('Nancy', Validators.minLength(2)),
 *   new FormControl('Drew'),
 *   ]);
 * ```
 *
 * ### Create a form array with array-level validators
 * 
 * ```
 * const arr = new FormArray(
 *   [new FormControl('Nancy'),
 *   new FormControl('Drew')
 *   ], {validators: myValidator, asyncValidators: myAsyncValidator});
 * ```
 *
 * ### Set the updateOn property for all controls in a form array
 * 
 * ```ts
 * const arr = new FormArray(
 *   [new FormControl()
 *   ], {updateOn: 'blur'});
 * ```
 *
 * ### Adding or removing controls from a form array
 * 
 * To change the controls in the array, use the `push`, `insert`, `removeAt` or `clear` methods.
 * Each child control is given an index where it is registered.
 *
 * @publicApi
 */
export class FormArray extends AbstractControl {
  /**
   * Creates a new `FormArray` instance.
   *
   * @param controls An array of child controls. Each child control is given an index
   * where it is registered.
   *
   * @param validatorOrOpts A synchronous validator function, or an array of
   * such functions, or an
   *
   * @param asyncValidator A single async validator or array of async validator functions
   *
   */
  constructor(
      public controls: AbstractControl[],
      validatorOrOpts?: ValidatorFn|ValidatorFn[],
      asyncValidator?: AsyncValidatorFn|AsyncValidatorFn[]) {
    super(coerceToValidator(validatorOrOpts),
          coerceToAsyncValidator(asyncValidator, validatorOrOpts));
    this._initObservables();
    this._setUpdateStrategy(validatorOrOpts);
    this.updateValueAndValidity({onlySelf: true, emitEvent: false});
  }

  /**
   * Get the `AbstractControl` at the
   * given `index` in the array.
   */
  at(index: number): AbstractControl { return this.controls[index]; }

  /**
   * Insert a new `AbstractControl` at the end of
   * the array.
   */
  push(control: AbstractControl): void {
    this.controls.push(control);
    this._registerControl(control);
    this.updateValueAndValidity();
  }

  /**
   * Insert a new `AbstractControl` at the given `index` in the array.
   */
  insert(index: number, control: AbstractControl): void {
    this.controls.splice(index, 0, control);
    this._registerControl(control);
    this.updateValueAndValidity();
  }

  /**
   * Remove the control at the given `index` in the array.
   */
  removeAt(index: number): void {
    if (this.controls[index].enabled) {
      this.controls[index]._registerOnCollectionChange(() => {});
    }
    this.controls.splice(index, 1);
    this.updateValueAndValidity();
  }

  /**
   * Replace an existing control
   */
  setAt(index: number, control: AbstractControl): void {
    this.controls[index] = control;
    this._registerControl(control);
    this.updateValueAndValidity();
  }
}
```

* @param value Array of values for the controls
* @param options Configure options that determine how the control propagates changes and emits events after the value changes.

### Function signatures

**form.value**

```typescript
form.value(values: any[], options: {onlySelf?: boolean, emitEvent?: boolean})
```

**form.setValue()**

```typescript
form.setValue(values: any[], options: {onlySelf?: boolean, emitEvent?: boolean})
```

**form.patchValue()**

```typescript
form.patchValue(values: any[], options: {onlySelf?: boolean, emitEvent?: boolean})
```

**form.get()**

```typescript
form.get(index: number): {value: any, status: any}
```

**form.reset()**

```typescript
form.reset(options: {onlySelf?: boolean, emitEvent?: boolean})
```

**form.getFormState()**

```typescript
form.getFormState(): {value: any, status: any}
```

### Example

```typescript
const form = new FormGroup({
  name: new FormControl('', Validators.required),
  age: new FormControl('', Validators.min(18))
});
```

### Configuration options

- `onlySelf`: When true, each change only affects this control, and not its parent. Default is false.
- `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control value is updated. When false, no events are emitted.
- The configuration options are passed to the `AbstractControl#updateValueAndValidity` method.

### Methods

- `setValue()`: Sets the value of the control.
- `patchValue()`: Patches the value of the control.
- `reset()`: Resets the value of the control.

### Additional notes

- The control array is mutable and can be extended or truncated.
- The `FormArray` class provides the `setControl()` method to add or remove controls.

```typescript
new FormArray([new FormControl(), new FormControl()]);
```

### Observables

- `valueChanges`: Observes changes to the value of the control.
- `statusChanges`: Observes changes to the status of the control.

### Errors

- The `form.value` method returns an empty array if the control is not valid.
- The `form.setValue()` method throws an error if you try to set the value of a control that doesn't exist or if you exclude the value of a control.
- The `form.patchValue()` method throws an error if you try to patch the values of controls that don't exist or if you exclude the values of controls.
- The `form.reset()` method throws an error if you try to reset the value of a control that doesn't exist or if you exclude the value of a control.
observables emit events with the latest status and value when the control is reset.
* When false, no events are emitted.
* The configuration options are passed to the `AbstractControl.updateValueAndValidity` method.
* */
*
```javascript
reset(value: any = [], options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {
  this._forEachChild((control: AbstractControl, index: number) => {
    control.reset(value[index], {onlySelf: true, emitEvent: options.emitEvent});
  });
  this._updatePristine(options);
  this._updateTouched(options);
  this.updateValueAndValidity(options);
}
```

```typescript
/**
 * The aggregate value of the array, including any disabled controls.
 *
 * @returns The aggregate value of the array.
 */
getRawValue(): any[] {
  return this.controls.map((control: AbstractControl) => {
    return control instanceof FormControl ? control.value : (<any>control).getRawValue();
  });
}
```

```typescript
/**
 * Remove all controls in the `FormArray`.
 *
 * @returns null
 */
clear(): void {
  if (this.controls.length < 1) return;
  this._forEachChild((control: AbstractControl) => control._registerOnCollectionChange(() => {}));
  this.controls.splice(0);
  this.updateValueAndValidity();
}
```

The directive can be used with `FormsModule` to create a top-level `FormGroup` instance and bind it to a form to track aggregate form value and validation status. As soon as you import the `FormsModule`, this directive becomes active by default on all `<form>` tags. You don't need to add a special selector.
optionally export the directive into a local template variable using `ngForm` as the key. (ex: `#myForm=\"ngForm\"]`). This is optional, but useful. Many properties from the underlying `FormGroup` instance are duplicated on the directive itself, so a reference to it gives you access to the aggregate value and validity status of the form, as well as user interaction properties like ‘dirty’ and ‘touched’. To register child controls with the form, use `NgModel` with a `name` attribute. You may use `NgModelGroup` to create sub-groups within the form. If necessary, listen to the directive’s `ngSubmit` event to be notified when the user has triggered a form submission. The `NgSubmit` event emits the original form submission event. In template driven forms, all `<form>` tags are automatically tagged as `NgForm`. To import the `FormsModule` but skip its usage in some forms, for example, to use native HTML5 validation, add the `ngNoForm` and the `<form>` tags won’t create an `NgForm` directive. In reactive forms, using `ngNoForm` is unnecessary because the `<form>` tags are inert. In that case, you would refrain from using the `formGroup` directive. In order to prevent the native DOM form validation UI from interfering with Angular’s form validation, Angular automatically adds the `novalidate` attribute on any `<form>` whenever a `NgModule`’s `ReactiveFormsModule` are imported into the application. If you want to explicitly enable native DOM validation UI with Angular forms, you can add the `ngValidateForm` attribute to the `<form>` element. The following example shows how to change the form values from the `\$ngSubmit\$` event: 

```typescript
@example
forms/ts/simpleForm/simple_form_example.ts
```
```typescript
import {FormErrorExamples as Examples} from './error_examples';

export class TemplateDrivenErrors {
  static modelParentException(): void {
    throw new Error(`
      ngModel cannot be used to register form controls with a parent formGroup directive. Try using formGroup's partner directive "formControlName" instead.

      Example:

      ${Examples.formControlName}

      Or, if you'd like to avoid registering this form control, indicate that it's standalone in ngModelOptions:

      Example:

      ${Examples.ngModelWithFormGroup}`);
  }

  static formGroupNameException(): void {
    throw new Error(`
      ngModel cannot be used to register form controls with a parent formGroupName or formArrayName directive.

      Option 1: Use formControlName instead of ngModel (reactive strategy):

      ${Examples.formGroupName}

      Option 2: Use a regular form tag instead of the formGroup directive (template-driven strategy):

      ${Examples.ngModelGroup}`);
  }

  static missingNameException() {
    throw new Error(`
      If ngModel is used within a form tag, either the name attribute must be set or the form control must be defined as 'standalone' in ngModelOptions.

      Example 1: <input [(ngModel)]="person.firstName" name="first">
      Example 2: <input [(ngModel)]="person.firstName" [ngModelOptions]="{standalone: true}">

      Example 1: Use formControlName instead of ngModel (reactive strategy):

      Example:

      ${Examples.formGroupName}

      Option 2: Use a regular form tag instead of the formGroup directive (template-driven strategy):

      Example:

      ${Examples.ngModelGroup}`);
  }
}
```
name corresponds to a key in the parent `NgForm`. *

@Input(ngModelGroup) name!: string;
constructor(\n  @Host() @SkipSelf() parent: ControlContainer,
  @Optional() @Self() @Inject(NG_VALIDATORS) validators: any[])
  this._parent = parent;
this._validators = validators;
this._asyncValidators = asyncValidators;

/**
 * @internal */

_checkParentType(): void {
  if (!this._parent instanceof NgModelGroup) {
    TemplateDrivenErrors.modelGroupParentException();
  }
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 * 
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

import {Directive, EventEmitter, Host,
  Inject, Input, OnChanges, OnDestroy, Optional, Output, Self, SimpleChanges, forwardRef} from
  '@angular/core';

import {FormControl, FormHooks} from '../model';
import {NG_ASYNC_VALIDATORS,
  NG_VALIDATORS} from '../validators';

import {AbstractFormGroupDirective} from
  './abstract_form_group_directive';
import {ControlContainer} from './control_container';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';
import {NgControl} from './ng_control';
import {NgForm} from './ng_form';
import {NgModelGroup} from './ng_model_group';
import {composeAsyncValidators, composeValidators, controlPath, isPropertyUpdated, selectValueAccessor,
  setUpControl} from './shared';
import {TemplateDrivenErrors} from './template_driven_errors';
import {AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn} from './validators';

export const
formControlBinding: any = {
  provide: NgControl,
  useExisting: forwardRef(() => NgModel)
};

/**
 * @description
 * Creates a `FormControl` instance from a domain model and
 * binds it to a form control element.
 *
 * The `FormControl` instance tracks the value, user interaction, and
 * validation status of the control and keeps the view synced with the model. If used in a
 * parent form, the
 * directive also registers itself with the form as a child
 * and maintains its state. You access the control using
 * `control` property, but most properties used (like `valid` and `dirty`) fall through to the control
 * anyway for direct access.
 * See a full list of properties directly available in `AbstractControlDirective`.
 * @see `RadioControlValueAccessor` 
 * @see `SelectControlValueAccessor` 
 * @usageNotes
 * 
 * ### Using ngModel on a standalone control
 *
 * The following examples show a simple standalone control using
 * `ngModel` as the key (ex: `#myVar="ngModel"`).
 * You then access the control using
 * the directive's `control` property, but most properties used (like `valid` and `dirty`) fall through to the control
 * anyway for direct access.
 * See a full list of properties directly available in `AbstractControlDirective`.
 * @see `RadioControlValueAccessor` 
 * @see `SelectControlValueAccessor` 
 * @usageNotes
 * 
 * ### Using ngModel within a form
 *
 * When using the `ngModel` within `<form>` tags, you'll also need to supply a `name` attribute
 * so that the control can be registered with the parent form under that name.
 * In the context of a parent form, it's often
 * unnecessary to include one-way or two-way binding, as the parent form syncs the value for you.
 * You access its
 * properties by exporting it into a `<form>` tag's `useValue` attribute
 * so that the control can be registered with the parent form under that name.
 * In the context of a parent form, it's often
 * unnecessary to include one-way or two-way binding, as the parent form syncs the value for you.
 * You access its
 * properties by exporting it into a `<form>` tag's `useValue` attribute
 * so that the control can be registered with the parent form under that name.
 * In the context of a parent form, it's often
 * unnecessary to include one-way or two-way binding, as the parent form syncs the value for you.
following example shows controls using `ngModel` within a form:

```html
<form>
  <input name="login" ngModel placeholder="Login">
  <input type="checkbox" ngModel
</form>
```

### Setting the ngModel name attribute through options

The following example shows an alternate way to set the name attribute. The name attribute is used *within* a custom form component, and the name `@Input` property serves a different purpose.

```html
<form>
  <my-person-control name="Nancy" ngModel
</form>
```

@ngModule FormsModule
@publicApi
*/

```javascript
@Directive({
  selector: '[ngModel]:not([formControlName]):not([formControl])',
  providers: [formControlBinding],
  exportAs: 'ngModel'
})
export class NgModel extends NgControl implements OnChanges,
    OnDestroy {
  public readonly control: FormControl = new FormControl();

  // At runtime we coerce arbitrary values assigned to the
  "disabled" input to a typeof boolean. // This is not reflected in the type of the property because outside of templates,
  consumers // should only deal with booleans. In templates, a string is allowed for convenience and to match
  the native "disable*ateful" semantics which can be observed on input elements. // This static member tells the
  compiler that values of type "string" can also be assigned // to the input in a template. // This static member tells the
  compiler that values of type "string" can also be assigned // to the input in a template. static

  /** @nodoc */
  static ngAcceptInputType_isDisabled: boolean|string;

  /** @internal */
  _registered = false;

  /**
   * Internal reference to the view model value.
   */
  viewModel: any;

  /**
   * Tracks the name bound to the directive. The parent form // uses this name as a key to retrieve
   this control's value. // TODO(issue/24571): remove '.'. // @Input() name :: string
   * @description
   * Tracks whether the control is disabled. // TODO(issue/24571): remove '.';
   * @Input(disabled) isDisabled !: boolean;
   * @description
   * Tracks the value bound to this directive. // @Input ngo\Model\) model:
   * @Input(ngModelOptions)
   * @description
   * @Track the configuration options for this
   * `NgModel\) instance. // @\*\*name\*\*: An alternative to setting the name attribute on the form control element. See
   * the [example](api/forms/NgModel#using-ngmodel-on-a-standalone-control) for using `NgModel` as a
   * standalone control. // @\*\*standalone\*\*: When set to true, the `NgModel\) will not register itself with its parent
   * form, and acts as if it's not in the form. Defaults to false. // @\*\*updateOn\*: Defines the event upon
   * which the form control value and validity update. // Defaults to 'change'. Possible values: `change` | `blur` | `submit`. // TODO(issue/24571): remove ".";
   * @Input(ngModelOptions)\) options !: {name?:
   * @description
   * Event emitter for producing
   * the `ngModelChange` event after
   * the view model updates.
   */
  @Output('ngModelChange') update = new
```
* Returns an array that represents the path from the top-level form to this control.
  * Each index is the string name of the control on that level.
  *
  * @param {string} this.name - The top-level directive for this control if present, otherwise null.
  * @param {AbstractFormGroupDirective} this._parent - Synchronous validator function composed of all the synchronous validators registered with this directive.
  *
  * @param {string[]} controlPath(this.name, this._parent) - Async validator function composed of all the async validators registered with this directive.
  *
  * @param {string} val - Returns the new value for the view model and emits an event.
  *
  * @param {string} this.controlName - NgModelChange event.
  *
  * @param {string} newValue - Signals the new value emitted by an event.
  *
  * @param {string} this._isStandalone() - TemplateDrivenErrors.formGroupNameException();
  *
  * @param {string} this._checkForErrors() - TemplateDrivenErrors.modelParentException();
  *
  * @param {string} this._updateValue(value: any): void - TemplateDrivenErrors.missingNameException();
  *
  * @param {string} this._updateDisabled(changes: SimpleChanges) - Copyright Google Inc. All Rights Reserved.
  * @param {string} license - Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license.

```javascript
/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

import {Directive} from '@angular/core';

/**
 * @description
 *
 * Adds `novalidate` attribute to all forms by default.
 *
 * `novalidate` is used to disable browser's native form validation.
 *
 * If you want to use native validation with Angular forms, just add `ngNativeValidate` attribute:
 *
 * ```
 * <form ngNativeValidate></form>
 * ```
 *
 * @publicApi
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 */
@Directive({
  selector: 'form:not([ngNoForm]):not([ngNativeValidate])',
  host: {'novalidate': ''},
})
export class ɵNgNoValidate {
}

export {ɵNgNoValidate as NgNoValidate};
```
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```typescript
import { ControlValueAccessor, NG_VALUE_ACCESSOR } from
  './control_value_accessor';
import { NgControl } from './ng_control';
import { ReactiveErrors } from './reactive_errors';
import {_ngModelWarning, composeAsyncValidators, composeValidators, isPropertyUpdated,
  selectValueAccessor, setUpControl} from './shared';
import { AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn } from '../validators';

/**
 * Token to provide to turn off the ngModel warning on formControl and
 * formControlName.
 */
export const NG_MODEL_WITH_FORM_CONTROL_WARNING =
    new InjectionToken('NgModelWithFormControlWarning');

export const formControlBinding: any = {
  provide: NgControl,
  useExisting: forwardRef(() => FormControlDirective)
};

/**
 * @description
 * * Syncs a standalone 'FormControl' instance to a form control element.*
 */
export const FormControlDirective =
    class FormControlDirective extends NgControl implements OnChanges {
  viewModel: any;

  // TODO(issue/24571): remove '!'.
  @Input('formControl') form !: FormControl;

  @Input('disabled')
  set isDisabled(isDisabled: boolean) {
    ReactiveErrors.disabledAttrWarning();
  }

  // TODO(kara): remove next 4 properties once deprecation period is
  // over
  @Input('disabled') set isDisabled(isDisabled: boolean) {
    ReactiveErrors.disabledAttrWarning();
  }

  // This warning checks if changes are being made to
  // the form model via the FormControl instance.
  // It is not necessary if you use Reactive Forms directly.
  // It is also not necessary if you use
  // the reactive forms component.
  @Input('ngModel') model: any;

  @Output('ngModelChange') update = new EventEmitter();

  /**
   * @description
   * * Internal reference to the view model value.*
   */
  viewModel: any;

  /**
   * @description
   * * Internal reference to the view model value.*
   */
  modelValue: any;

  /**
   * @description
   * Static property used to
   * track whether any ngModel warnings have been sent across
   * * all instances of FormControlDirective. Used to
   * support warning config of \`always\`.
   */
  static ngModelWarningSentOnce = false;

  /**
   * @description
   * Instance property used to track whether an ngModel warning has been sent out for this
   * * particular 'FormControlDirective' instance. Used to support warning config of \`always\`.
   */
  @internal
  static ngModelWarningSent = false;
```
```typescript
constructor(@Optional() @Self() @Inject(NG_VALIDATORS) validators: Array<Validator|ValidatorFn>,
            @Optional() @Self() @Inject(NG_ASYNC_VALIDATORS) asyncValidators: Array<AsyncValidator|AsyncValidatorFn>,
            @Optional() @Self() @Inject(NG_VALUE_ACCESSOR) valueAccessors: ControlValueAccessor[],
            @Optional() @Inject(NG_MODEL_WITH_FORM_CONTROL_WARNING) private _ngModelWarningConfig: string|null) {
  this._rawValidators = validators || [];
  this._rawAsyncValidators = asyncValidators || [];
  this.valueAccessor = selectValueAccessor(this, valueAccessors);

  super();
  this.form = this.form || new FormGroup();
  this.viewModel = this.model;
  this.control = this.form;
  this.viewToModelUpdate = this.update.emit;
}

ngOnChanges(changes: SimpleChanges): void {
  if (this._isControlChanged(changes)) {
    setUpControl(this.form, this);
    if (this.control.disabled && this.valueAccessor!.setDisabledState) {
      this.valueAccessor!.setDisabledState(true);
    }
    this.form.updateValueAndValidity({emitEvent: false});
  }
  if (isPropertyUpdated(changes, this.viewModel)) {
    _ngModelWarning('formControl', FormControlDirective, this, this._ngModelWarningConfig);
    this.form.setValue(this.model);
    this.viewModel = this.model;
  }

  get path(): string[] { return []; }

  get validator(): ValidatorFn|null { return composeValidators(this._rawValidators); }

  get asyncValidator(): AsyncValidatorFn|null {
    return composeAsyncValidators(this._rawAsyncValidators);
  }

  viewToModelUpdate(newValue: any): void {
    this.viewModel = newValue;
    this.update.emit(newValue);
  }
}
```
import { Injectable } from '@angular/core';
import { FormGroupDirective } from '@angular/forms';
import { Control } from '@angular/forms';

@Injectable()
export class FormGroupDirective extends ControlContainer implements FormGroupDirective {
  /**
   * @description
   * Reports whether the form submission has been triggered.
   */
  public readonly submitted: boolean = false;

  // TODO(issue/24571): remove '!'.
  private _oldForm!: FormGroup;

  /**
   * @description
   * Tracks the 'FormGroup' bound to this directive.
   */
  @Input('formGroup')
  form!: FormGroup = null !;

  /**
   * @description
   * Emits an event when the form submission has been triggered.
   */
  @Output() ngSubmit = new EventEmitter();

  constructor(@Inject(NG_VALIDATORS) private _validators: any[],
              @Inject(NG_ASYNC_VALIDATORS) private _asyncValidators: any[]) {
    super();
  }

  /**
   * A lifecycle method called when the directive's inputs change. For internal use only.
   */
  ngOnChanges(changes: SimpleChanges): void {
    this._checkFormPresent();
    if (changes.hasOwnProperty('form')) {
      this._updateValidators();
      this._updateDomValue();
      this._updateRegistrations();
    }
  }

  /**
   * Returns this directive's instance.
   */
  get formDirective(): FormGroupDirective { return this; }

  /**
   * Returns the 'FormGroup' for a provided 'FormGroupName' directive instance.
   */
  getFormGroup(dir: FormGroupName): FormGroup { return <FormGroup>this.form.get(dir.path); }

  /**
   * Adds a new 'FormGroupName' directive instance to the form.
   */
  addFormGroup(dir: FormGroupName): void {
    const ctrl: any = this.form.get(dir.path);
    setUpFormGroup(dir, ctrl, dir);
    setUpFormContainer(ctrl, dir, ctrl.updateValueAndValidity);  
  }

  /**
   * Removes the 'FormGroupName' instance from the internal list of directives.
   * Method that sets up the control group in this group, re-calculates its value
   * and validity, and adds the instance to the internal list of directives.
   */
  removeFormGroup(dir: FormGroupName): void {
    const ctrl: any = this.form.get(dir.path);
    setUpFormGroup(dir, ctrl, dir);
    setUpFormContainer(ctrl, dir, ctrl.updateValueAndValidity);  
  }

  /**
   * Sets the new value for the provided 'FormGroupName' directive.
   */
  updateModel(dir: FormGroupName, value: any): void {
    const ctrl: any = this.form.get(dir.path);
    ctrl.setValue(value);
  }

  /**
   * Method called with the 'submit' event is triggered on the form.
   */
  onSubmit($event: Event): boolean {
    // This code implements the functionality related to the onSubmit method.
    // It handles the submission event for the form.
  }

  // Additional methods for handling changes, validations, etc.
}

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(this as {submitted: boolean}).submitted = true;
  this.ngSubmit.emit($event);
  return false;
}

/**
 * @param {string} name
 * @returns {string}
 */
  @Input('formGroupName') name !: string | number | null;

  constructor(
    @Optional() @Host() @SkipSelf() parent: ControlContainer,
    @Optional() @Self() @Inject(NG_VALIDATORS) validators: any[
],
    @Optional() @Self() @Inject(NG_ASYNC_VALIDATORS) asyncValidators: any[
]) {
    super();
    this._parent = parent;
    this._validators = validators;
  }

  ngOnInit(): void {
    this._checkFormPresent();
    this._updateDomValue();
    this._updateRegistrations();
    this._updateValidators();
  }

  ngOnDestroy(): void {
    this._oldForm = null;
  }

  resetForm(value: any = undefined): void {
    this.form.reset(value);
    (this as {submitted: boolean}).submitted = false;
  }

  onSelect(): void {
    this.form.disabled = undefined;
  }
this._asyncValidators = asyncValidators; 

/** @internal */
  @checkParentType(): void {
    if (_hasInvalidParent(this._parent)) {
      ReactiveErrors.groupParentException();
    }
  }

export const formArrayNameProvider: any = {
  provide: ControlContainer, 
  useExisting: forwardRef(() => FormArrayName)
};

export const formArrayName: any = {
  provide: ControlContainer, 
  useExisting: forwardRef(() => FormArrayName)
};

/**
 * @description
 */

/**
 * @description
 * + Synchs a nested 'FormArray' to a DOM element.
 * + * * This directive is designed to be used with a parent 'FormGroupDirective' (selector: 
 * + * [formGroup]).
 * + * * It accepts the string name of the nested 'FormArray' you want to link, and
 * + * will look for a 'FormArray' registered with that name in the parent.
 * + * 'FormGroup' instance you passed into 'FormGroupDirective'.
 * + * * @see [Reactive Forms Guide](guide/reactive-forms)
 * + * * @example
 * + * [ example forms/ts/nestedFormArray/nested_form_array_example.ts region='Component']
 * + *
 * + * * @ngModule
 * + * * @publicApi
 */

export class FormArrayName extends ControlContainer implements OnInit, OnDestroy {
  /** @internal */
  _parent: ControlContainer;

  /** @internal */
  _validators: any[];

  /** @internal */
  _asyncValidators: any[];

  /**
   * Tracks the name of the 'FormArray' bound to the directive.
   * + The name corresponds to a key in the parent 'FormGroup' or 'FormArray'.
   * + * * It accepts a name as a string or a number.
   * + * * The name in the form of a string is useful for individual forms,
   * + * * while the numerical form allows for form arrays to be bound to indices when iterating over arrays in a 'FormArray'.
   * + * * @ToDo(issue/24571): remove '!'.
   * + *
   */

  @Input('formArrayName') name: string | number | null;

  constructor(
      @Optional() @Host() @SkipSelf() parent: ControlContainer, 
      @Optional() @Self() @Inject(NG_VALIDATORS) validators: any[], 
      @Optional() @Self() @Inject(NG_ASYNC_VALIDATORS) asyncValidators: any[])
  {
    super();
    this._parent = parent;
    this._validators = validators;
    this._asyncValidators = asyncValidators;
  }

  /**
   * @description
   * + A lifecycle method called when the directive's inputs are initialized. For internal use only.
   * + * * @throws If the directive does not have a valid parent.
   */
  ngOnInit(): void {
    this._checkParentType();
    this.formDirective!.addFormArray(this);
  }

  /**
   * @description
   * + A lifecycle method called before the directive's instance is destroyed. For internal use only.
   */
  ngOnDestroy(): void {
    if (this.formDirective) {
      this.formDirective.removeFormArray(this);
    }
  }

  /**
   * + The 'FormArray' bound to this directive.
   */
  get control(): FormArray
  {
    return this.formDirective!.getFormArray(this);
  }

  /**
   * + The top-level directive for this group if present, otherwise null.
   */
  get formDirective(): FormGroupDirective|null
  {
    return this._parent ? <FormGroupDirective>this._parent.formDirective : null;
  }

  /**
   * + Returns an array that represents the path from the top-level form to this control.
   */
  get path(): string[]
  {
    return controlPath(this.name == null ? this.name : this.name.toString(), this._parent);
  }

  /**
   * + Synchronous validator function composed of all the synchronous validators registered with this directive.
   */
  get validator(): ValidatorFn|null
  {
    return composeValidators(this._validators);
  }

  /**
   * + Async validator function composed of all the async validators registered with this directive.
   */
  get asyncValidator(): AsyncValidatorFn|null
  {
    return composeAsyncValidators(this._asyncValidators);
  }

  /**
   * @description
   * + A lifecycle method called before the directive's instance is destroyed. For internal use only.
   */
  ngOnDestroy(): void {
    if (this.formDirective)
      this.formDirective.removeFormArray(this);
  }

  private _checkParentType(): void {
    if (_hasInvalidParent(this._parent))
      ReactiveErrors.arrayParentException();
  }

  function _hasInvalidParent(parent: ControlContainer): boolean
  {
    return !(parent instanceof FormGroupName) && !(parent instanceof FormGroupDirective) &&
    !(parent instanceof FormArrayName);
  }

  /**
   * + Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at
   * + https://angular.io/license
   */

import {Directive, EventEmitter, Host, Inject, Input, OnChanges, OnDestroy, Optional, Output, Self, SkipSelf, forwardRef} from '@angular/core';
import {NgControl} from '@angular/forms';
import {ReactiveErrors} from '@angular/forms';
import {composeAsyncValidators, composeValidators, controlPath,
isPropertyUpdated, selectValueAccessor) from './shared';

import { AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn } from './validators';

import { NG_MODEL_WITH_FORM_FORM_WARNING } from './form_control_directive';

import { FormGroupDirective } from './form_group_directive';

export { FormGroupName, FormArrayName } from './form_group_name';

export const controlNameBinding: any = {
  provide: NgControl,
  useExisting: forwardRef(() => FormControlName)
};

/**
 * @description
 * Syncs a `FormControl` in an existing `FormGroup` to a form control
 * element by name. In * * * * @see [Reactive Forms Guide] [guide/reactive-forms]
 * @see `FormControl`
 * @see `AbstractControl`
 * @see `usageNotes`
 * * * ### Register `FormControl` within a group
 * * * The following example shows how to register multiple form controls within a group
 * * * and set their value. In * * * (example)

forms/ts/simpleFormGroup/simple_form_group_example.ts region=Component

* * * To see `FormControlName` examples with different form control types, see: see In * * *

* * * Radio buttons:

### Register `FormControl` within a group

The following example shows how to register multiple form controls within a form group
and set their value. In * * *

```html
<form [formGroup]='form'>
  <input formControlName='first' [(ngModel)]='value'>
</form>
```
@Input('ngModel') model: any; /** @deprecated as of v6 */ @Output('ngModelChange') update = new EventEmitter();

  /** @deprecated as of v6 */
  @Output('ngModelChange') update = new EventEmitter();

  /**
   * @description
   * Static property used to track whether any ngModel warnings have
   * been sent across all instances of FormControlName. Used to support warning config of 'once'
   * * @internal
   * static _ngModelWarningSentOnce = false; /** * @description
   * Instance property used to track whether an ngModel warning has been sent out for this
   * particular FormControlName instance. Used to support warning config of 'always'
   * @internal
   * * @internal
   * _ngModelWarningSent = false; /**
   * @description
   * Instance property
   * used to track whether an ngModel warning has been sent out for this
   * particular FormControlName instance. Used to support warning config of "always".
   */
  _ngModelWarningSent = false;

  /**
   * @description
   * A lifecycle method called when the directive's inputs change.
   * For internal use only.
   */
  ngOnChanges(changes: SimpleChanges) {
    if (!this._added) this._setUpControl();
    if (isPropertyUpdated(changes, this.viewModel)) {
      _ngModelWarning('formControlName', FormControlName, this, this._ngModelWarningConfig);
      this.viewModel = this.model;
      this.formDirective.updateModel(this, this.model);
    }
  }

  /**
   * @description
   * Lifecycle method called before the directive's instance
   * is destroyed. For internal use only.
   */
  ngOnDestroy(): void {
    if (this.formDirective) {
      this.formDirective.removeControl(this);
    }
  }

  /**
   * @description
   * Sets the new value for the view model and emits an `ngModelChange` event.
   * @param newValue The new value for the view model.
   */
  viewToModelUpdate(newValue: any): void {
    this.viewModel = newValue;
    this.update.emit(newValue);
  }

  /**
   * @description
   * Returns an array that represents the path from the
   * top-level form to this control.
   * Each index is the string name of the control on that level.
   */
  get path(): string[] {
    return controlPath(this.name == null ? this.name : this.name.toString(), this._parent !);
  }

  /**
   * @description
   * The top-level directive for this group if present, otherwise null.
   */
  get formDirective(): any { return this._parent ? this._parent.formDirective : null; }

  /**
   * @description
   * Synchronous validator function composed of all the synchronous validators
   * registered with this directive.
   */
  get validator(): ValidatorFn|null { return composeValidators(this._rawValidators); }

  /**
   * @description
   * Async validator function composed of all the async validators
   * registered with this directive.
   */
  get asyncValidator(): AsyncValidatorFn { return composeAsyncValidators(this._rawAsyncValidators) !; }

  private _checkParentType(): void {
    if (!(this._parent instanceof FormGroupName) &&
        this._parent instanceof AbstractFormGroupDirective) {
      ReactiveErrors.ngModelGroupException();
    } else if (!
        !(this._parent instanceof FormGroupName) && !(this._parent instanceof FormGroupDirective) &&
        !(this._parent instanceof FormArrayName)) {
      ReactiveErrors.controlParentException();
    }
  }

  private _setUpControl() {
    this._checkParentType();
    (this as{control: FormControl}).control = this.formDirective.addControl(this);
    if (this.control.disabled && this.valueAccessor !.setDisabledState) {
      this.valueAccessor !.setDisabledState !(true);
    }
    this._added = true;
  }
}
CustomValidatorDirective implements Validator {
  
  validate(control: AbstractControl): ValidationErrors|null { 
    
    return { 
      'custom': true };
  }
}


export interface Validator {
  
  validate(control: AbstractControl): ValidationErrors|null |
  
  registerOnValidatorChange?(fn: () => void): void;
}

/**
 * @description
 * Method that performs synchronous validation against the provided control.
 * @param control The control to validate against.
 * @returns A map of validation errors if validation fails, otherwise null.
 */
export interface AsyncValidator extends Validator {
  
  validate(control: AbstractControl): Promise<ValidationErrors|null> |
  
  registerOnValidatorChange?(fn: () => void): void;
}

/**
 * @description
 * A directive that adds the `required` validator to any controls marked with the `required` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.
 */
@Directive({
  selector: 
    ':not([type=checkbox])[required][formControlName|formControl][required][formControl]:[not([type=checkbox])][required][ngModel][providers: [REQUIRED_VALIDATOR]].
  host: { [attr.required]: 'required ? ''\n': null | ''\n] }
})
export class RequiredValidator implements Validator {
  
  // TODO(issue/24571): remove '!'.
  private _required !: boolean;
  
  private _onChange !: () => void;

  /**
   * @description
   * Tracks changes to the required attribute bound to this directive.
   */
  @Input()
  get required(): boolean|string { return this._required; }

  set required(value: boolean|string) {
    this._required = 
      value != null && value !== false && 
      `${value}` !== 'false';
    if (this._onChange) this._onChange();
  }

  /**
   * @description
   * Method that validates whether the control is empty.
   * Returns the validation result if enabled, otherwise null.
   */
  validate(control: AbstractControl): ValidationErrors|null { 
    return this._required ? Validators.required(control) : null;
  }

  /**
   * Registers a callback function to call when the validator inputs change.
   */
  registerOnValidatorChange?(fn: () => void): void { 
  
    this._onChange = fn;
  }
}

/**
 * @description
 * A directive that adds the `required` validator to checkbox controls marked with the `required` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.
 */
@Directive({
  selector: 
    ':not([type=checkbox])[required][formControlName|formControl][required][formControl]:[not([type=checkbox])][required][ngModel][providers: [REQUIRED_VALIDATOR]].
  host: { [attr.required]: 'required ? ''\n': null | ''\n] }
})
export class CheckboxRequiredValidator implements Validator {
  
  // TODO(issue/24571): remove '!'.
  private _required !: boolean;
  
  private _onChange !: () => void;

  /**
   * @description
   * Tracks changes to the required attribute bound to this directive.
   */
  @Input()
  get required(): boolean|string { return this._required; }

  set required(value: boolean|string) {
    this._required = 
      value != null && value !== false && 
      `${value}` !== 'false';
    if (this._onChange) this._onChange();
  }

  /**
   * @description
   * Method that validates whether the control is empty.
   * Returns the validation result if enabled, otherwise null.
   */
  validate(control: AbstractControl): ValidationErrors|null { 
    return this._required ? Validators.required(control) : null;
  }

  /**
   * Registers a callback function to call when the validator inputs change.
   */
  registerOnValidatorChange?(fn: () => void): void { 
  
    this._onChange = fn;
  }
}
'input[type=checkbox][required][formControlName],input[type=checkbox][required][formControl],input[type=checkbox][required][ngModel]', providers: [CHECKBOX_REQUIRED_VALIDATOR],

host: {
  'required ? "\n" : null' // A directive that adds the 'email' validator to controls marked with the \n 'email' attribute. The directive is provided with the 'NG_VALIDATORS' multi-provider list.
  'ngModel\n  @email\n  @email\n  ngModel email\n  ngModel email="true" \n  @email\n  @email\n  @email\n  publicApI\n  @ngModule FormsModule\n
export class EmailValidator implements Validator {
  // TODO(issue/24571): remove '!'.
  private _enabled !: boolean;
  // TODO(issue/24571): remove '!'.
  private _onChange !: () => void;

  /**
   * @description
   * Tracks changes to the email attribute bound to this directive.
   */
  @Input()
  set email(value: boolean|string) {
    this._enabled = value === '' || value === true || value === 'true';
    if (this._onChange) this._onChange();
  }

  /**
   * @description
   * Method that validates whether an email address is valid.
   * Returns the validation result if enabled, otherwise null.
   */
  validate(control: AbstractControl): ValidationErrors|null {
    return this._enabled ? Validators.email(control) : null;
  }

  /**
   * @description
   * Registers a callback function to call when the validator inputs change.
   *
   * @param fn
   * The callback function
   */
  registerOnValidatorChange(fn: () => void): void { this._onChange = fn; }
}

/**
 * @description
 * A function that receives a control and synchronously returns a map of validation errors if present, otherwise null.
 * @publicApi
 */
export interface ValidatorFn { (control: AbstractControl): ValidationErrors|null; }

/**
 * @description
 * A function that receives a control and returns a Promise or observable that emits validation errors if present, otherwise null.
 * @publicApi
 */
export interface AsyncValidatorFn {
  (control: AbstractControl): Promise<ValidationErrors|null> | Observable<ValidationErrors|null>;
}

export class MinLengthValidator implements Validator,
    OnChanges {
  // TODO(issue/24571): remove '!'.
  @Input() minlength !: string | number;

  ngOnChanges(changes: SimpleChanges) {
    if ('minlength' in changes) {
      this._createValidator();
      if (this._onChange) this._onChange();
    }
  }

  /**
   * @description
   * A lifecycle method called when the directive's inputs change. For internal use only.
   *
   * @param changes A object of key/value pairs for the set of changed inputs.
   */
  ngOnChanges(changes: SimpleChanges): void {
    if ('minlength' in changes) {
      this._createValidator();
    }
  }
}
Method that validates whether the value meets a minimum length requirement. Returns the validation result if enabled, otherwise null.

```javascript
validate(control: AbstractControl): ValidationErrors|null {
  return this.minlength == null ? null : this._validator(control);
}
```

Registers a callback function to call when the validator inputs change.

```javascript
registerOnValidatorChange(fn: () => void): void {
  this._onChanges = fn;
}
```

Creates a validator that checks the input meets the specified minimum length.

```javascript
private _createValidator(): void {
  this._validator = Validators.minLength(
      typeof this.minlength === 'number' ? this.minlength : parseInt(this.minlength, 10));
}
```

Provider which adds the `MaxLengthValidator` to the `NG_VALIDATORS` multi-provider list.

```javascript
MAX_LENGTH_VALIDATOR: any = {
  provide: NG_VALIDATORS,
  useExisting: forwardRef(() => MaxLengthValidator),
  multi: true
};
```

A directive that adds max length validation to controls marked with the `maxlength` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.

```javascript
@Directive({
  selector: '[maxlength][formControlName],[maxlength][formControl],[maxlength][ngModel]',
  providers: [MAX_LENGTH_VALIDATOR],
  host: {'[attr.maxlength]': 'maxlength ? maxlength : null'}
})
export class MaxLengthValidator implements Validator,
    OnChanges {
  // TODO(issue/24571): remove '!'.
  private _validator!: ValidatorFn;
  // TODO(issue/24571): remove '!'.
  private _onChange!: () => void;

  /**
   * Tracks changes to the maximum length bound to this directive.
   */
  @Input() maxlength!: string | number;

  /**
   * A lifecycle method called when the directive's inputs change. For internal use
   * only.
   *
   * @param changes A object of key/value pairs for the set of changed inputs.
   */
  ngOnChanges(changes: SimpleChanges): void {
    if ('maxlength' in changes) {
      this._createValidator();
      if (this._onChange) this._onChange();
    }
  }

  /**
   * Method that validates whether the value exceeds the maximum length requirement.
   */
  validate(control: AbstractControl): ValidationErrors|null {
    return this.maxlength != null ? this._validator(control) : null;
  }

  /**
   * Registers a callback function to call when the validator inputs change.
   */
  registerOnValidatorChange(fn: () => void): void {
    this._onChange = fn;
  }

  private _createValidator(): void {
    this._validator = Validators.maxLength(
        typeof this.maxlength === 'number' ? this.maxlength : parseInt(this.maxlength, 10));
  }
}
```

Provider which adds the `PatternValidator` to the `NG_VALIDATORS` multi-provider list.

```javascript
PATTERN_VALIDATOR: any = {
  provide: NG_VALIDATORS,
  useExisting: forwardRef(() => PatternValidator),
  multi: true
};
```

A directive that adds regex pattern validation to controls marked with the `pattern` attribute. The regex must match the entire control value.

```javascript
@Directive({
  selector: '[pattern][formControlName],[pattern][formControl],[pattern][ngModel]',
  providers: [PATTERN_VALIDATOR],
  host: {'[attr.pattern]': 'pattern ? pattern : null'}
})
export class PatternValidator implements Validator,
    OnChanges {
  // TODO(issue/24571): remove '!'.
  private _validator!: ValidatorFn;
  // TODO(issue/24571): remove '!'.
  private _onChange!: () => void;

  /**
   * Tracks changes to the pattern bound to this directive.
   */
  @Input() pattern!: string | RegExp;

  /**
   * A lifecycle method called when the directive's inputs change. For internal use
   * only.
   *
   * @param changes A object of key/value pairs for the set of changed inputs.
   */
  ngOnChanges(changes: SimpleChanges): void {
    if ('pattern' in changes) {
      this._createValidator();
      if (this._onChange) this._onChange();
    }
  }

  /**
   * Method that validates whether the
   */
  validate(control: AbstractControl): ValidationErrors|null {
    return this.pattern != null ? this._validator(control) : null;
  }

  /**
   * Registers a callback function to call when the validator inputs change.
   */
  registerOnValidatorChange(fn: () => void): void {
    this._onChange = fn;
  }

  private _createValidator(): void {
    this._validator = Validators.pattern(/^[a-zA-Z ]*$/);
  }
}
```
value matches the\n   * the pattern requirement.\n   */
  validate(control: AbstractControl): ValidationErrors|null {
    return this._validator(control); }

  /**
   * @description
   * Registers a callback function to call when the validator inputs change.\n   *\n   * @param fn The callback function\n   */
  registerOnValidatorChange(fn: () => void): void {
    this._onChange = fn;
  }

  /**
   * @description
   * Creates a new validator.
   *
   * @param pattern The pattern to use for the new validator.\n   */
  createValidator(pattern: string): AbstractValidator
  
  private _createValidator(): void { this._validator = Validators.pattern(this.pattern); }

  /**
   * @license
   * Copyright Google Inc. All Rights Reserved.
   *
   * Use of this source code is governed by an MIT-style license that can be
   * found in the LICENSE file at https://angular.io/license
   */

  import {NgModule, Type} from '@angular/core';

  import {CheckboxControlValueAccessor} from './directives/checkbox_value_accessor';
  import {DefaultValueAccessor} from './directives/default_value_accessor';
  import {NgControlStatus, NgControlStatusGroup} from './directives/ng_control_status';
  import {NgForm} from './directives/ng_form';
  import {NgModel} from './directives/ng_model';
  import {NgModelGroup} from './directives/ng_model_group';
  import {NgNoValidate} from './directives/ng_no_validate_directive';
  import {NumberValueAccessor} from './directives/number_value_accessor';
  import {RadioControlValueAccessor} from './directives/radio_control_value_accessor';
  import {RangeValueAccessor} from './directives/range_value_accessor';
  import {FormControlDirective} from './directives/reactive_directives/form_control_directive';
  import {FormControlName} from './directives/reactive_directives/form_control_name';
  import {FormGroupDirective} from './directives/reactive_directives/form_group_directive';
  import {FormArrayName, FormGroupName} from './directives/reactive_directives/form_group_name';
  import {NgSelectOption, SelectControlValueAccessor} from './directives/select_control_value_accessor';
  import {NgSelectMultipleOption, SelectMultipleControlValueAccessor} from './directives/select_multiple_control_value_accessor';

  export {CheckboxControlValueAccessor} from './directives/checkbox_value_accessor';
  export {ControlValueAccessor} from './directives/control_value_accessor';
  export {DefaultValueAccessor} from './directives/default_value_accessor';
  export {NgControl} from './directives/ng_control';
  export {NgControlStatus, NgControlStatusGroup} from './directives/ng_control_status';
  export {NgForm} from './directives/ng_form';
  export {NgModel} from './directives/ng_model';
  export {NgModelGroup} from './directives/ng_model_group';
  export {NumberValueAccessor} from './directives/number_value_accessor';
  export {RadioControlValueAccessor} from './directives/radio_control_value_accessor';
  export {RangeValueAccessor} from './directives/range_value_accessor';
  export {FormControlDirective, NG_MODEL_WITH_FORM_CONTROL_WARNING} from './directives/reactive_directives/form_control_directive';
  export {FormControlName} from './directives/reactive_directives/form_control_name';
  export {FormGroupDirective} from './directives/reactive_directives/form_group_directive';
  export {FormArrayName, FormGroupName} from './directives/reactive_directives/form_group_name';
  export {NgSelectOption, SelectControlValueAccessor} from './directives/select_control_value_accessor';
  export {NgSelectMultipleOption, SelectMultipleControlValueAccessor} from './directives/select_multiple_control_value_accessor';

  export const SHARED_FORM_DIRECTIVES: Type<any>[] = [
    CheckboxControlValueAccessor, SelectControlValueAccessor, NumberValueAccessor,
    DefaultValueValueAccessor, NumberControlStatusGroup, NgSelectMultipleOption,
    CheckboxControlValueAccessor, SelectControlValueAccessor, SelectMultipleControlValueAccessor,
    RadioControlValueAccessor, NgControlStatusGroup, NgControlStatusGroup, NgModelGroup,
    MinLengthValidator, MaxLengthValidator, PatternValidator,
    CheckboxRequiredValidator, EmailValidator, MaxLengthValidator, MinLengthValidator, PatternValidator,
    RequiredValidator];

  export const TEMPLATE_DRIVEN_DIRECTIVES: Type<any>[] = [NgNoValidate, NgSelectOption,
    NgNoValidate, NgSelectOption,
    NumberValueAccessor, NumberControlStatusGroup, NgControlStatusGroup,
    RequiredValidator,
    MinLengthValidator, MaxLengthValidator, PatternValidator,
    CheckboxRequiredValidator,
    EmailValidator,
    NumberValueAccessor, NumberControlStatusGroup, NgControlStatusGroup];

  export const REACTIVE_DRIVEN_DIRECTIVES: Type<any>[] = [NgModel, NgModelGroup, NgForm];

  // *\n  * Internal module used for sharing directives between FormsModule and ReactiveFormsModule\n  *\n  * Angular Core\n  */

  import {FormsModule, ReactiveFormsModule} from '@angular/forms';

  @NgModule({
    declarations: SHARED_FORM_DIRECTIVES,
    exports:
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```typescript
import {Injectable} from '@angular/core';

import {AsyncValidatorFn, ValidatorFn} from './directives/validators';
import {AbstractControl, AbstractControlOptions, FormArray, FormGroup, FormControl, FormHooks} from './model';

function isAbstractControlOptions(options: AbstractControlOptions | {[key: string]: any}): options is AbstractControlOptions {
}

/**
 * @description
 * Creates an `AbstractControl` from a user-specified configuration.
 * The object can have two shapes:
 * 1) `AbstractControlOptions` object (preferred), which consists of:
 *    * `validators`: A synchronous validator function, or an array of validator functions
 *    * `asyncValidators`: A single async validator or array of async validator functions
 *    * `updateOn`: The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
 * 2) Legacy configuration object, which consists of:
 *    * `validator`: A synchronous validator function, or an array of validator functions
 *    * `asyncValidator`: A single async validator or array of async validator functions
 *    * `ValidatorsFunction`: The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
 * Legacy configuration object, which consists of:
 *    * `validator`: A synchronous validator function, or an array of validator functions
 *    * `asyncValidator`: A single async validator or array of async validator functions
 *    * `ValidatorsFunction`: The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
 * The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
 */
@Injectable()
export class FormBuilder {
  /**
   * @description
   * Construct a new `FormGroup` instance.
   */
  group(controlsConfig: {[key: string]: any}, options: AbstractControlOptions | {[key: string]: any} | null = null): FormGroup {
    const controls = this._reduceControls(controlsConfig);

    let validators: ValidatorFn | ValidatorFn[] | null = null;
    let asyncValidators: AsyncValidatorFn | AsyncValidatorFn[] | null = null;
    let updateOn: FormHooks | undefined = undefined;

    if (options != null) {
      if (isAbstractControlOptions(options)) {
        // `options` are `AbstractControlOptions`
        validators = options.validators != null ? options.validators : null;
        asyncValidators = options.asyncValidators != null ? options.asyncValidators : null;
      } else {
        // `options` are legacy form group options
        validators = options['validator'] != null ? options['validator'] : null;
        asyncValidators = options['asyncValidator'] != null ? options['asyncValidator'] : null;
      }
    }

    return new FormGroup(controls, {asyncValidators, updateOn, validators});
  }

  /**
   * Constructs a new `FormArray` from the given array of
   * `AbstractControlOptions` object for the `FormGroup`. The object can have two shapes:
   * 1) `AbstractControlOptions` object (preferred), which consists of:
   *    * `validators`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidators`: A single async validator or array of async validator functions
   *    * `updateOn`: The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
   * 2) Legacy configuration object, which consists of:
   *    * `validator`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidator`: A single async validator or array of async validator functions
   *    * `ValidatorsFunction`: The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
   * Legacy configuration object, which consists of:
   *    * `validator`: A synchronous validator function, or an array of validator functions
   *    * `asyncValidator`: A single async validator or array of async validator functions
   *    * `ValidatorsFunction`: The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
   * The event upon which the control should be updated (options: 'change' | 'blur' | 'submit')
   */
  array(controlsConfig: any[], options: AbstractControlOptions | {[key: string]: any} | null = null): FormArray {
    return new FormArray(controlsConfig, {asyncValidators, updateOn, validators});
  }

  control(formState: any, validatorOrOpts?: ValidatorFn | ValidatorFn[] | AbstractControlOptions | null, asyncValidator?: AsyncValidatorFn | AsyncValidatorFn[] | null): FormControl {
    return new FormControl(formState, validatorOrOpts, asyncValidator);
  }

  // Other methods...
}
```

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```
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```
Open Source Used In MSX SD-WAN Service Pack 3.9.0
Open Source Used In MSX SD-WAN Service Pack 3.9.0
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/fesm2015/forms.js.map

No license file was found, but licenses were detected in source scan.

```javascript
```

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```ts
export function registerOnTouched(fn: any): void {
  this._onTouched = fn;
}
```
the disabled property to a native DOM element:

```ts
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
```

@param isDisabled The disabled status to set on the element

@returns void

Used to provide a `ControlValueAccessor` for form controls.

```ts
setDisabledState?(isDisabled: boolean): void;
```

@returns void

Used to provide a `ControlValueAccessor` for how to implement one.

```ts
multi: true;
```

@returns void

A `ControlValueAccessor` for writing a value and listening to changes on a checkbox input:

```ts
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
```

`@param isDisabled The disabled status to set on the element`

```ts
multi: true;
```

`@returns void`

A `ControlValueAccessor` for writing a value and listening to changes on a checkbox input:

```ts
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
```

`@param isDisabled The disabled status to set on the element`

```ts
multi: true;
```

`@returns void`

A `ControlValueAccessor` for writing a value and listening to changes on a checkbox input:

```ts
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
```

`@param isDisabled The disabled status to set on the element`

```ts
multi: true;
```

`@returns void`

A `ControlValueAccessor` for writing a value and listening to changes on a checkbox input:

```ts
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
```

`@param isDisabled The disabled status to set on the element`

```ts
multi: true;
```

`@returns void`

A `ControlValueAccessor` for writing a value and listening to changes on a checkbox input:

```ts
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}
```

`@param isDisabled The disabled status to set on the element`

```ts
multi: true;
```

`@returns void`
```typescript
/**
 * @license
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 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

import {Observable} from 'rxjs';
import {AbstractControl} from '../model';
import {ValidationErrors} from './validators';

/**
 * @description
 * AbstractControlDirective is an abstract class that provides base functionality for all control directives.
 *
 * This class is only used internally in the `ReactiveFormsModule` and the `FormsModule`.
 *
 * @publicApi
 */
export abstract class AbstractControlDirective {
  /**
   * @description
   * A reference to the underlying control.
   *
   * @returns the control that backs this directive. Most properties fall through to that instance.
   */
  abstract get control(): AbstractControl|null;

  /**
   * @description
   * Reports the value of the control if it is present, otherwise null.
   */
  get value(): any {
    return this.control ? this.control.value : null;
  }

  /**
   * @description
   * Reports whether the control is valid. A control is considered valid if no validation errors exist with the current value.
   * If the control is not present, null is returned.
   */
  get valid(): boolean|null {
    if (this.control) {
      if (this.control.valid) {
        return true;
      } else {
        return false;
      }
    } else {
      return null;
    }
  }

  /**
   * @description
   * Reports whether the control is invalid, meaning that an error exists in the input value.
   * If the control is not present, null is returned.
   */
  get invalid(): boolean|null {
    if (this.control) {
      return this.control.invalid;
    } else {
      return null;
    }
  }

  /**
   * @description
   * Reports whether a control is pending, meaning that async validation is occurring and errors are not yet available for the input value.
   * If the control is not present, null is returned.
   */
  get pending(): boolean|null {
    if (this.control) {
      return this.control.pending;
    } else {
      return null;
    }
  }

  /**
   * @description
   * Reports whether the control is disabled, meaning that the control is disabled * in the UI and is exempt from validation checks and excluded from ancestor controls.
   * If the control is not present, null is returned.
   */
  get disabled(): boolean|null {
    if (this.control) {
      return this.control.disabled;
    } else {
      return null;
    }
  }
```
import {AbstractControlDirective} from './abstract_control_directive';
import {ControlContainer} from './control_container';
import {NgControl} from './ng_control';

export class AbstractControlStatus {
  private _cd: AbstractControlDirective;

  constructor(cd: AbstractControlDirective) {
    this._cd = cd;
  }

  get ngClassUntouched(): boolean { return this._cd.control ? this._cd.control.untouched : false; }
  get ngClassTouched(): boolean { return this._cd.control ? this._cd.control.touched : false; }
  get ngClassPristine(): boolean { return this._cd.control ? this._cd.control.pristine : false; }
  get ngClassDirty(): boolean { return this._cd.control ? this._cd.control.dirty : false; }
  get ngClassValid(): boolean { return this._cd.control ? this._cd.control.valid : false; }
  get ngClassInvalid(): boolean { return this._cd.control ? this._cd.control.invalid : false; }
  get ngClassPending(): boolean { return this._cd.control ? this._cd.control.pending : false; }
}

export const ngControlStatusHost = {
  '\[class.ng-untouched\]': 'ngClassUntouched',
  '\[class.ng-touched\]': 'ngClassTouched',
  '\[class.ng-pristine\]': 'ngClassPristine',
  '\[class.ng-dirty\]': 'ngClassDirty',
  '\[class.ng-valid\]': 'ngClassValid',
  '\[class.ng-invalid\]': 'ngClassInvalid',
  '\[class.ng-pending\]': 'ngClassPending',
};

/**
 * @description
 * Directive automatically applied to Angular form controls that sets CSS classes
 * based on control status.
 *
 * ### CSS classes applied
 *
 * The following classes are applied as the properties become true:
 *
 * * ng-valid
 * * ng-invalid
 * * ng-pending
 * * ng-pristine
 * * ng-dirty
 * * ng-untouched
 * * ng-touched
 *
 * @ngModule ReactiveFormsModule
 * @ngModule FormsModule
 * @publicApi
 */
@Directive({selector: '
  \[formControlName\],\[ngModel\],\[formControl\]', host: ngControlStatusHost})
export class NgControlStatus extends
console.log(control.errors); // {min: {min: 3, actual: 2}}

[305] // Controls with NaN values after parsing should be treated as not having an // minimum, per the HTML forms spec: https://www.w3.org/TR/html5/forms.html#attr-input-min

return isNaN(value) && value < min ? {'min': {min: min, actual: control.value}} : null;

[91x776] * @returns A validator function that returns an error map with the 'min' property if the validation check fails, otherwise `null`. * * * @see updateValueAndValidity() * * * `static min(min: number): ValidatorFn` * * * 

const value = parseFloat(control.value);

[91x701] // Controls with NaN values after parsing should be treated as not having a

return !isNaN(value) && value < min ? {'min': {min: min, 'actual': control.value}} : null;

[91x716] * @returns A validator function that returns an error map with the 'max' property if the validation check fails, otherwise `null`. * * * @see updateValueAndValidity() * * * `static max(max: number): ValidatorFn` * * * 

const value = parseFloat(control.value);

[91x731] // Controls with NaN values after parsing should be treated as not having a

return !isNaN(value) && value > max ? {'max': {max: max, 'actual': control.value}} : null;

[91x716] * @returns A validator function that returns an error map with the 'max' property if the validation check fails, otherwise `null`. * * * @see updateValueAndValidity() * * * `static max(max: number): ValidatorFn` * * * 

const value = parseFloat(control.value);

[91x731] // Controls with NaN values after parsing should be treated as not having a

return !isNaN(value) && value > max ? {'max': {max: max, 'actual': control.value}} : null;

[91x716] * @returns A validator function that returns an error map with the 'max' property if the validation check fails, otherwise `null`. * * * @see updateValueAndValidity() * * * `static max(max: number): ValidatorFn` * * * 

const value = parseFloat(control.value);

[91x731] // Controls with NaN values after parsing should be treated as not having a

return !isNaN(value) && value > max ? {'max': {max: max, 'actual': control.value}} : null;

[91x716] * @returns A validator function that returns an error map with the 'max' property if the validation check fails, otherwise `null`. * * * @see updateValueAndValidity() * * * `static max(max: number): ValidatorFn` * * * 

const value = parseFloat(control.value);

[91x731] // Controls with NaN values after parsing should be treated as not having a

return !isNaN(value) && value > max ? {'max': {max: max, 'actual': control.value}} : null;
template * the HTML5 `minlength` attribute.

```html
<input minlength="5">  // {minlength: {requiredLength: 3, actualLength: 7}}
</input>
```

### Validate that the field only contains letters or spaces

```typescript
const control = new FormControl('Angular', Validators.pattern('[a-zA-Z \s]*'));
```

### Validate that the field has maximum of 5 characters

```typescript
const control = new FormControl('1', Validators.pattern('[a-zA-Z \s]*'));
```

### Validate that the field has minimum of 3 characters

```typescript
const control = new FormControl('Angular', Validators.pattern('[a-zA-Z \s]*'));
```

### Validate that the field contains regular expression

```typescript
const control = new FormControl('Angular', Validators.pattern('^\[a-zA-Z \s]*$'));
```

### Validate that the field has a pattern

```typescript
const control = new FormControl('Angular', Validators.pattern('^\[a-zA-Z \s]*$'));
```
function
 *An registerOnChange(fn: (_: number|null) => void): void { ...
  this.onChange = (value) => { fn(value ?? 0); }
} ...}{

  registerOnChange(fn: (_: number|null) => void): void {
    this.onChange = (value) => { fn(value ?? 0); }
  }

  registerOnTouched(fn: () => void): void {
    this.onTouched = fn; }

  setDisabledState(isDisabled: boolean): void {
    this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled); ...
}...}{

/**
 * @license
 *
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 * can be found in the LICENSE file at https://angular.io/license
 */

import {Directive, ElementRef, Injectable, Inject, Injector, Input, OnDestroy, OnInit, Renderer2, forwardRef} from '@angular/core';

import {ControlValueAccessor, Directive, ElementRef, forwardRef} from '../core\\\!/\nimport {NgControl} from ...

export const RADIO_VALUE_ACCESSOR: any = {
  provide: NG_VALUE_ACCESSOR,
  useExisting: forwardRef(() => RadioControlValueAccessor),
  multi: true
};

/**
 * @description
 * Class used by Angular to track radio buttons. For internal use only.
 */
@Injectable()
export class RadioControlRegistry {
  private _accessors: any[] = [];

  add(control: NgControl, accessor: RadioControlValueAccessor) {
    this._accessors.push([control, accessor]);
  }

  remove(accessor: RadioControlValueAccessor) {
    for (let i = this._accessors.length - 1; i >= 0; --i) {
      if (this._accessors[i][1] === accessor) {
        this._accessors.splice(i, 1);
        return;
      }
    }
  }

  select(accessor: RadioControlValueAccessor) {
    this._accessors.forEach((c) => {
      if (this._isSameGroup(c, accessor) && c[1] !== accessor) {
        c[1].fireUncheck(accessor.value);
      }
    });
  }

  private _isSameGroup(controlPair: [NgControl, RadioControlValueAccessor], accessor: RadioControlValueAccessor): boolean {
    if (!controlPair[0].control) return false;
    return controlPair[0]._parent === accessor._control._parent && controlPair[1].name === accessor.name;
  }
}

/**
 * @description
 * The `ControlValueAccessor` for writing radio control values and listening to radio
 * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
 * `NgModel` directives. ...
 */
@Directive({
  selector: ...
})
export class RadioControlValueAccessor implements ControlValueAccessor, OnDestroy, OnInit {
  /**
   * The registered callback function called when a change event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   */
  onChange = () => {};

  onTouched = () => {};

  @Input() name!: string;

  @Input() formControlName!: string;

  @Input() value: any;

  constructor(
      private _renderer: Renderer2, private _elementRef: ElementRef,
      private _registry: RadioControlRegistry, private _injector: Injector) {}

  ngOnInit(): void {
    this._control = ...
    this.onChange = ...
    this.onTouched = ...
    this._registry.add(this._control, this);
  }

  ngOnDestroy(): void {
    if (this._renderer) {
      this._renderer.unregisterValue_accessor(this._elementRef.nativeElement);
    }
  }
}

import {Directive, ElementRef, forwardRef} from '../core\\\!/\n
/**
 * @description
 * Class used by Angular to track radio buttons. For internal use only.
 */
@Injectable()
export class RadioControlRegistry {
  private _accessors: any[] = [];

  add(control: NgControl, accessor: RadioControlValueAccessor) {
    this._accessors.push([control, accessor]);
  }

  remove(accessor: RadioControlValueAccessor) {
    for (let i = this._accessors.length - 1; i >= 0; --i) {
      if (this._accessors[i][1] === accessor) {
        this._accessors.splice(i, 1);
        return;
      }
    }
  }

  select(accessor: RadioControlValueAccessor) {
    this._accessors.forEach((c) => {
      if (this._isSameGroup(c, accessor) && c[1] !== accessor) {
        c[1].fireUncheck(accessor.value);
      }
    });
  }

  private _isSameGroup(controlPair: [NgControl, RadioControlValueAccessor], accessor: RadioControlValueAccessor): boolean {
    if (!controlPair[0].control) return false;
    return controlPair[0]._parent === accessor._control._parent && controlPair[1].name === accessor.name;
  }
}

/**
 * @description
 * The `ControlValueAccessor` for writing radio control values and listening to radio
 * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
 * `NgModel` directives. ...
 */
@Directive({
  selector: ...
})
export class RadioControlValueAccessor implements ControlValueAccessor, OnDestroy, OnInit {
  /**
   * The registered callback function called when a change event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   * The registered callback function called when a blur event occurs on the input element.
   */
  onChange = () => {};

  onTouched = () => {};

  @Input() name!: string;

  @Input() formControlName!: string;

  @Input() value: any;

  constructor(
      private _renderer: Renderer2, private _elementRef: ElementRef,
      private _registry: RadioControlRegistry, private _injector: Injector) {}

  ngOnInit(): void {
    this._control = ...
    this.onChange = ...
    this.onTouched = ...
    this._registry.add(this._control, this);
  }

  ngOnDestroy(): void {
    if (this._renderer) {
      this._renderer.unregisterValue_accessor(this._elementRef.nativeElement);
    }
  }
}
ngOnDestroy(): void {
  this._registry.remove(this);
}

/**
 * @description
 * Sets the "checked" property value on the radio input element.
 *
 * @param value The checked value
 * @return any
 */
writeValue(value: any): void {
  this._state = value == this.value;
  this._renderer.setProperty(this._elementRef.nativeElement, 'checked', this._state);
}

/**
 * @description
 * Registers a function called when the control value changes.
 *
 * @param fn The callback function
 * @return any
 */
registerOnChange(fn: (value: any) => {}): void {
  this._fn = fn;
  this.onChange = () => {
    fn(this.value);
    this._registry.select(this);
  };
}

/**
 * @description
 * Registers a function called when the control is touched.
 *
 * @param fn The callback function
 * @return any
 */
registerOnTouched(fn: (value: any) => {}): void {
  this._fn = fn;
  this.onTouched = () => {
    fn(this.value);
  };
}

/**
 * @description
 * Sets the "disabled" property on the input element.
 *
 * @param isDisabled The disabled value
 * @return any
 */
setDisabledState(isDisabled: boolean): void {
  this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
}

/**
 * Sets the "value" on the radio input element and unchecks it.
 *
 * @param value The checked value
 * @return any
 */
fireUncheck(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Registers a function called when the control name is changed.
 *
 * @param fn The callback function
 * @return any
 */
registerOnTouched(fn: (value: any) => {}): void {
  this._fn = fn;
  this.onTouched = () => {
    fn(this.value);
  };
}

/**
 * Sets the "value" property on the input element.
 *
 * @param value The checked value
 * @return any
 */
writeValue(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Sets the "checked" property value on the radio input element.
 *
 * @param value The checked value
 * @return any
 */
writeValue(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Sets the "disabled" property on the input element.
 *
 * @param isDisabled The disabled value
 * @return any
 */
setDisabledState(isDisabled: boolean): void {
  this.writeValue(value);
}

/**
 * @description
 * Registers a function called when the control value changes.
 *
 * @param fn The callback function
 * @return any
 */
registerOnChange(fn: (value: any) => {}): void {
  this._fn = fn;
  this.onTouched = () => {
    fn(this.value);
  };
}

/**
 * @description
 * Registers a function called when the control is touched.
 *
 * @param fn The callback function
 * @return any
 */
registerOnTouched(fn: (value: any) => {}): void {
  this._fn = fn;
  this.onTouched = () => {
    fn(this.value);
  };
}

/**
 * @description
 * Sets the "disabled" property on the input element.
 *
 * @param isDisabled The disabled value
 * @return any
 */
setDisabledState(isDisabled: boolean): void {
  this.writeValue(value);
}

/**
 * Sets the "value" property on the input element.
 *
 * @param value The checked value
 * @return any
 */
writeValue(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Sets the "disabled" property on the input element.
 *
 * @param isDisabled The disabled value
 * @return any
 */
setDisabledState(isDisabled: boolean): void {
  this.writeValue(value);
}

/**
 * Sets the "value" property on the input element.
 *
 * @param value The checked value
 * @return any
 */
writeValue(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Sets the "disabled" property on the input element.
 *
 * @param isDisabled The disabled value
 * @return any
 */
setDisabledState(isDisabled: boolean): void {
  this.writeValue(value);
}

/**
 * Sets the "value" property on the input element.
 *
 * @param value The checked value
 * @return any
 */
writeValue(value: any): void {
  this.writeValue(value);
}

/**
 * @description
 * Sets the "disabled" property on the input element.
 *
 * @param isDisabled The disabled value
 * @return any
 */
setDisabledState(isDisabled: boolean): void {
  this.writeValue(value);
}
first_name: new FormControl(){
    name: 'first name',
    validators: [Validators.required]
  });

  formGroupName: 'person' in
  <input formGroupName="first name">

  cities:
  // ngModelArray

  in
  <div formArrayName="cities">
    <div *ngFor="let city of cityArray.controls; index as i">
      <input [formControlName]="i">
    </div>
  
</div>

  In your class:

  this.myGroup = new FormGroup({
    person: new FormControl()
  });

  formGroupName: 'person'
  <div formGroupName="person">
    <input formControlName="firstName">
  </div>

  In your class:

  this.myGroup = new FormGroup({
    cities: new FormControl()
  });

  ngModelGroup:
    <div ngModelGroup="person">
      <input [ngModel]="person.name" name="firstName">
    </div>

    In your class:

    this.myGroup = new FormGroup({
      cities: new FormArray([new FormControl('SF')])
    });
valueString.split('');
}

/**
 * @description
 * The `ControlValueAccessor` for writing select control values and listening to select control
 * changes. The value accessor is used by the `FormControlDirective`,
 * `FormControlName`, and the `NgModel` directives.
 * # Using select controls in a reactive form
 * The following examples show how to use a select control in a reactive form:
 * [example forms/ts/reactiveSelectControl/reactive_select_control_example.ts region='Component']

### Using select controls in a template-driven form
To use a select in a template-driven form, simply add an `NgModel` and a `name` attribute to the main `<select>` tag:

```html
<form>
  <select [name]="name" [formControl]="formControl">
    <option *ngFor="let item of items" [ngValue]="item.id">{{item.name}}</option>
  </select>
</form>
```

### Customizing option selection
Angular uses object identity to select option. It's possible for the identities of items to change while the data does not. This can happen, for example, if an RPC to the server, and that RPC is re-run. Even if the data hasn't changed, the second response will produce objects with different identities.

To customize the default option comparison algorithm, `<select>` supports `compareWith` input:

```html
<select [compareWith]="compareFn"
  [formControl]="formControl">
  <option *ngFor="let item of items" [ngValue]="item.id">{{item.name}}</option>
</select>
```

The `compareWith` function takes two arguments: `option1` and `option2`. If `compareWith` is given, Angular selects option by the return value of the function:

```ts
const compareFn = (option1, option2) => {
  return option1.id === option2.id;
};
```

**Note:** We listen to the 'change' event because 'input' events aren't fired for selects in Firefox and IE:

- [bugzilla.mozilla.org/show_bug.cgi?id=1024350](https://bugzilla.mozilla.org/show_bug.cgi?id=1024350)

@publicApi
@ngModule ReactiveFormsModule
@ngModule FormsModule
@publicApi
```ts
@Directive({
  selector:
    `select:not([multiple])[formControlName],select:not([multiple])[formControl],select:not([multiple])[ngModel],

  host: {
    '(change)': 'onChange($event.target.value)',
    '(blur)': 'onTouched()
  },
  providers: [
    SELECT_VALUE_ACCESSOR
  ]
})
export class SelectControlValueAccessor implements ControlValueAccessor {
  constructor(private _renderer: Renderer2, private _elementRef: ElementRef) {

  /**
   * Sets the "value" property on the input element. The "selectedIndex"
   * property is also set if an ID is
   * provided on the option element.
   *
   * @param value The selected value
   */
  writeValue(value: any): void {
    this.value = value;
    const id: string|null = this._getOptionId(value);
    if (id == null) {
      this._renderer.setProperty(this._elementRef.nativeElement, 'selectedIndex', -1);
    }
    const valueString = _buildValueString(id, value);
    this._renderer.setProperty(this._elementRef.nativeElement, 'value', valueString);
  }

  /**
   * Registers a function called when the control value changes.
   *
   * @param fn The callback function
   */
  registerOnChange(fn: (value: any) => any): void {
    this.onChange = fn;
  }

  /**
   * Registers a function called when the control is touched.
   *
   * @param fn The callback function
   */
  registerOnTouched(fn: () => any): void {
    this.onTouched = fn;
  }

  /**
   * Sets the "disabled" property on the select input element.
   *
   * @param isDisabled The disabled value
   */
  setDisabledState(isDisabled: boolean): void {
    this._renderer.setDisabledState(isDisabled);
  }

  /**
   * @internal
   */
  _getOptionId(value: any): string|null {
    for (const id of
      // implement code
    ) {
      return id;
    }
    return (this._idCounter++).toString();
  }

  /**
   * Returns a function called when the control value changes.
   *
   * @param fn The callback function
   */
  registerOnChanges(fn: (value: any) => any): void {
    this.onChange = fn;
  }

  /**
   * Returns a function called when the control is touched.
   *
   * @param fn The callback function
   */
  registerOnTouched(fn: () => any): void {
    this.onTouched = fn;
  }

  /**
   * Sets the "disabled" property on the select input element.
   *
   * @param isDisabled The disabled value
   */
  setDisabledState(isDisabled: boolean): void {
    this._renderer.setDisabledState(isDisabled);
  }

  /**
   * @internal
   */
  _getOptionValue(valueString: string): any {
    return undefined;
  }

  /**
   * @internal
   */
  _buildValueString(id: string, value: any): string {
    return undefined;
  }

  /**
   * @internal
   */
  _getOptionId(value: any): string|null {
    return undefined;
  }

  /**
   * @internal
   */
  _getOptionValue(valueString: string): any {
    return undefined;
  }

  /**
   * @internal
   */
  _buildValueString(id: string, value: any): string {
    return undefined;
  }
}
```
Array.from(this._optionMap.keys()) { // if (this._compareWith(this._optionMap, get(id), value)) return id; 
  } return null; // @internal *@_getOptionValue(valueString: string): any { // const id: string = _extractId(valueString); return this._optionMap.has(id) ? this._optionMap.get(id) : valueString; }

    return null;
  }

  /** @internal */
  _getOptionValue(valueString: string): any {
    const id: string = _extractId(valueString);
    return this._optionMap.get(id) ? this._optionMap.get(id) : valueString;
  }

  /**
   * @description
   * Marks `option` as dynamic, so Angular can be notified when options change.
   * @see `SelectControlValueAccessor` * @ngModule ReactiveFormsModule
   * @ngModule FormsModule
   * @publicApi
   */

 declare class NgSelectOption implements OnDestroy {
   /**
    * @description
    * ID of the option element
    * @property
    */
   id: string;

   constructor(private_element: ElementRef, private_renderer: Renderer2, @Optional() @Host() private _select: SelectControlValueAccessor) {
     if (this._select) this.id = this._select._registerOption();
   }

   /**
    * @description
    * Tracks the value bound to the option element. Unlike the value binding, this *ngValue sets
    * binding to objects. * @Input(*ngValue) * @Input(value)
    * set ngValue(value: any) {
      (if (this._select) this._select.writeValue(this._select.value));
    }

    this._getOptionMap.set(this.id, value);
    this._setElementValue(_buildValueString(this.id, value));
    this._select.writeValue(this._select.value);
  }

  /**
   * @description
   * Lifecycle method called before the directive's instance is destroyed. For internal use only.
   * @event
   */
  ngOnDestroy(): void {
    if (this._select) {
      this._select._optionMap.delete(this.id);
      this._select.writeValue(this._select.value);
      this._select.writeValue(this._select.value);
    }
  }

  /**
   * @description
   * The `ControlValueAccessor` for writing multi-select control values and listening to multi-select
   * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
   * `NgModel` directives.
   * @see `ControlValueAccessor` from `ANGULAR_compiler`;
   * @ngModule ReactiveFormsModule
   * @ngModule FormsModule
   * @publicApi
   */

 declare class SelectMultipleControlValueAccessor implements ControlValueAccessor {
   /**
    * @description
    * The current value
    */
   value: any;

   /** @internal */
   _optionMap: Map<string, ɵNgSelectMultipleOption> = new Map<string, ɵNgSelectMultipleOption>();

   /**
    * @description
    * The registered callback function called when a change event occurs on the input element.
    * @event
    */
   onChange: any;

   /**
    * @description
    * The `ControlValueAccessor` for writing multi-select control values and listening to multi-select
    * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
    * `NgModel` directives.
    * @see `ControlValueAccessor`
    * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * @publicApi
    */

 declare class NgSelectMultipleControlValueAccessor implements ControlValueAccessor {
   /**
    * @description
    * The current value
    * @property
    */
   value: any;

   /** @internal */
   _optionMap: Map<string, ɵNgSelectMultipleOption> = new Map<string, ɵNgSelectMultipleOption>();

   /**
    * @description
    * The registered callback function called when a change event occurs on the input element.
    * @event
    */
   onChange: any;

   /**
    * @description
    * The `ControlValueAccessor` for writing multi-select control values and listening to multi-select
    * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
    * `NgModel` directives.
    * @see `ControlValueAccessor`
    * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * @publicApi
    */

 declare class NgSelectMultipleControlValueAccessor implements ControlValueAccessor {
   /**
    * @description
    * The current value
    * @property
    */
   value: any;

   /** @internal */
   _optionMap: Map<string, ɵNgSelectMultipleOption> = new Map<string, ɵNgSelectMultipleOption>();

   /**
    * @description
    * The registered callback function called when a change event occurs on the input element.
    * @event
    */
   onChange: any;

   /**
    * @description
    * The `ControlValueAccessor` for writing multi-select control values and listening to multi-select
    * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
    * `NgModel` directives.
    * @see `ControlValueAccessor`
    * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * @publicApi
    */

 declare class NgSelectMultipleControlValueAccessor implements ControlValueAccessor {
   /**
    * @description
    * The current value
    * @property
    */
   value: any;

   /** @internal */
   _optionMap: Map<string, ɵNgSelectMultipleOption> = new Map<string, ɵNgSelectMultipleOption>();

   /**
    * @description
    * The registered callback function called when a change event occurs on the input element.
    * @event
    */
   onChange: any;

   /**
    * @description
    * The `ControlValueAccessor` for writing multi-select control values and listening to multi-select
    * control changes. The value accessor is used by the `FormControlDirective`, `FormControlName`, and
    * `NgModel` directives.
    * @see `ControlValueAccessor`
    * @ngModule ReactiveFormsModule
    * @ngModule FormsModule
    * @publicApi
    */

 declare class NgSelectMultipleControlValueAccessor implements ControlValueAccessor {
   /**
    * @description
    * The current value
    * @property
    */
   value: any;

   /** @internal */
   _optionMap: Map<string, ɵNgSelectMultipleOption> = new Map<string, ɵNgSelectMultipleOption>();

   /**
    * @description
    * The registered callback function called when a change event occurs on the input element.
    * @event
    */
   onChange: any;
* The registered callback function called when a blur event occurs on the input element.

```javascript
* * @description
* * Tracks the option comparison algorithm for tracking identities when checking for changes.

* * @Input() set compareWith(fn: (o1: any, o2: any) => boolean)

  this._compareWith = fn;
  private_compareWith: (o1: any, o2: any) => boolean = looseIdentical;

@constructor(private_renderer: Renderer2, private_elementRef: ElementRef) {
  /**
   * @description
   * Sets the `value` property on one or more of * of the select's options.
   */
  writeValue(value: any): void {
    this.value = value;
    let optionSelectedStateSetter: (opt: ɵNgSelectMultipleOption, o: any) => void;
    if (Array.isArray(value)) {
      // convert values to ids
      const ids = value.map((v) => this._getOptionId(v));
      optionSelectedStateSetter = (opt, o) => {
        opt._setSelected(ids.indexOf(o.toString()) > -1);
      };
    } else {
      optionSelectedStateSetter = (opt, o) => {
        opt._setSelected(false);
      };
    }
    this._optionMap.forEach(optionSelectedStateSetter);
  }

  /**
   * @description
   * Registers a function called when the control value changes.
   * and writes an array of the selected options.
   */
  registerOnChange(fn: (value: any) => any): void {
    this.onChange = (_: any) => {
      const selected: Array<any> = [];
      if (_.hasOwnProperty('selectedOptions')) {
        const options: HTMLCollection = _.selectedOptions;
        for (let i = 0; i < options.length; i++) {
          const opt: any = options.item(i);
          const val: any = this._getOptionValue(opt.value);
          selected.push(val);
        }
      } else {
        const options: HTMLCollection = <HTMLCollection>_.options;
        for (let i = 0; i < options.length; i++) {
          const opt: HTMLOption = options.item(i);
          if (opt.selected) {
            const val: any = this._getOptionValue(opt.value);
            selected.push(val);
          }
        }
      }
      this.value = selected;
      fn(selected);
    };
  }

  /**
   * @description
   * Registers a function called when the control is touched.
   */
  registerOnTouched(fn: () => any): void {
    this.onTouched = fn;
  }

  /**
   * Sets the `disabled` property on the select input element.
   */
  setDisabledState(isDisabled: boolean): void {
    this._renderer.setProperty(this._elementRef.nativeElement, 'disabled', isDisabled);
  }

  /** @internal */
  _registerOption(value: ɵNgSelectMultipleOption): string {
    const id: string = (this._idCounter++).toString();
    this._optionMap.set(id, value);
    return id;
  }

  /** @internal */
  _getOptionId(value: any): string|null {
    for (const id of Array.from(this._optionMap.keys())) {
      if (this._compareWith(this._optionMap.get(id)!.value, value)) return id;
    }
    return null;
  }

  /** @internal */
  _getOptionValue(valueString: string): any {
    const id: string = _extractId(valueString);
    return this._optionMap.has(id) ? this._optionMap.get(id)!.value : valueString;
  }

@Directive({selector: 'option'})
export class ɵNgSelectMultipleOption implements OnDestroy {
  id!: string;
  /**
   * @description
   * Tracks simple string values bound to the option element.
   * For objects, use the `value` input binding.
   */
  @Input('value') value: any;
  constructor(private_element: ElementRef, private_renderer: Renderer2, @Optional() @Host() private_select: MultiControlValueAccessor) {
    if (this.select) {
      this.id = this.select.registerOption(this.id);
    }
  }

  /**
   * @description
   * Tracks the value bound to the option element.
   * Unlike the value binding, * ngValue supports binding to objects.
   */
  @Input() @Host() set ngValue(value: any) {
    if (this.select) {
      this.value = value;
      this.select.writeValue(this.select.value);
    } else {
      this.writeValue(value);
    }
  }

  /**
   * @description
   * Tracks simple string values bound to the option element.
   * For objects, use the `value` input binding.
   */
  @Input('value') set value(value: any) {
    if (this.select) {
      this.value = value;
      this.select.writeValue(this.select.value);
    } else {
      this.writeValue(value);
    }
  }

  ngOnDestroy() {
    // TODO(issue/24571): remove `!`.
    !.id !.string; !!
    @internal */
    _value: any;
  }

  /**
   * @description
   * Marks `<option>` as dynamic, so Angular can be notified when options change.
   */
  @Input('ngValue') @ngModule ReactiveFormsModule!
  ngModule FormsModule! @publicApi
  @Directive({selector: 'option'})
  export class
```
Lifecycle method called before the directive’s instance is destroyed. For internal use only.

```typescript
/**
 * @license
 * Copyright 2016-2022 Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

import {isDevMode, ɵlooseIdentical as looseIdentical} from '@angular/core';

import {FormArray, FormControl, FormGroup} from '../model';
import {Validators} from '../validators';
import {AbstractControlDirective} from './abstract_control_directive';
import {AbstractFormGroupDirective} from './abstract_form_group_directive';
import {CheckboxControlValueAccessor} from './checkbox_value_accessor';
import {ControlContainer} from './control_container';
import {ControlValueAccessor} from './control_value_accessor';
import {DefaultValueAccessor} from './default_value_accessor';
import {NgControl} from './ng_control';
import {normalizeAsyncValidator, normalizeValidator} from './normalize_validator';
import {NumberValueAccessor} from './number_value_accessor';
import {RadioControlValueAccessor} from './radio_control_value_accessor';
import {RangeValueAccessor} from './range_value_accessor';
import {FormArrayName} from './reactive_directives/form_group_name';
import {ReactiveErrors} from './reactive_errors';
import {SelectControlValueAccessor} from './select_control_value_accessor';
import {SelectMultipleControlValueAccessor} from './select_multiple_control_value_accessor';
import {AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn} from './validators';

export function controlPath(name: string | null, parent: ControlContainer): string[] {
  return [...parent.path !, name !];
}

export function setUpControl(control: FormControl, dir: NgControl): void {
  if (!control) _throwError(dir, 'Cannot find control with');
  if (!dir.valueAccessor) _throwError(dir, 'No value accessor for form control with');

  control.validator = Validators.compose([control.validator !, dir.validator]);
  control.asyncValidator = Validators.composeAsync([control.asyncValidator !, dir.asyncValidator]);
  dir.valueAccessor!.writeValue(control.value);

  setUpViewChangePipeline(control, dir);
  setUpModelChangePipeline(control, dir);
  setUpBlurPipeline(control, dir);

  if (dir.valueAccessor!.setDisabledState) {
    control.registerOnDisabledChange(
      (isDisabled: boolean) => { dir.valueAccessor!.setDisabledState!(isDisabled); });
  }

  // re-run validation when validator binding changes, e.g. minlength=3 -> minlength=4
  dir._rawValidators.forEach((validator: Validator | ValidatorFn) => {
    if ((<Validator>validator).registerOnValidatorChange)
      (<Validator>validator).registerOnValidatorChange !(() => control.updateValueAndValidity());
  });

  dir._rawAsyncValidators.forEach((validator: AsyncValidator | AsyncValidatorFn) => {
    if ((<Validator>validator).registerOnValidatorChange)
      (<Validator>validator).registerOnValidatorChange !(() => control.updateValueAndValidity());
  });

  if (control) control._clearChangeFns();
}

function setUpViewChangePipeline(control: FormControl, dir: NgControl): void {
  dir.valueAccessor!.registerOnChange((newValue: any) => {
    control._pendingValue = newValue;
    control._pendingChange = true;
    control._pendingDirty = true;

    if (control.updateOn === 'change') updateControl(control, dir);
  });
}

function setUpBlurPipeline(control: FormControl, dir: NgControl): void {
  dir.valueAccessor!.registerOnTouched(() => {
    if (dir.valueAccessor!.setDisabledState) {
      dir.valueAccessor!.setDisabledState!(false);
    }
  });
}

function updateControl(control: FormControl, dir: NgControl): void {
  if (control._pendingDirty) control.markAsDirty();
  control.setValue(control._pendingValue, {emitModelToViewChange: false});
  dir.viewToModelUpdate(control._pendingValue);
}
```
void {
  control.registerOnChange((newValue: any, emitModelEvent: boolean) => {
    // control -> view
    dir.valueAccessor.writeValue(newValue);
    // control -> ngModel
    if (emitModelEvent)
      dir.viewToModelUpdate(newValue);

    // control -> ngModel
    if (emitModelEvent)
      dir.viewToModelUpdate(newValue);
  });
}

export function setUpFormContainer(
    control: FormGroup | FormArray, dir: AbstractFormGroupDirective | FormArrayName) {
  if (control == null)
    _throwError(dir, 'Cannot find control with');
  control.validator = Validators.compose(control.validator, dir.validator);
  control.asyncValidator = Validators.composeAsync([control.asyncValidator, dir.asyncValidator]);
}

function _noControlError(dir: NgControl) {
  return _throwError(dir, 'There is no FormControl instance attached to form control element with');
}

function _throwError(dir: AbstractControlDirective, message: string): void {
  let messageEnd: string;
  if (dir.path !== undefined) {
    messageEnd = `path: '${dir.path.join(' -> ')}'`;
  } else if (dir.path !== undefined)
    messageEnd = `name: '${dir.path}'`;
  } else {
    messageEnd = 'unspecified name attribute';
  }
  throw new Error(`${message} ${messageEnd}`);
}

export function composeValidators(validators: Array<Validator|ValidatorFn>): ValidatorFn|null {
  return validators != null ? Validators.compose(validators.map(normalizeValidator)) : null;
}

export function composeAsyncValidators(validators: Array<AsyncValidator|AsyncValidatorFn>):
    AsyncValidatorFn|null {
  return validators != null ? Validators.composeAsync(validators.map(normalizeAsyncValidator)) : null;
}

export function isPropertyUpdated(changes: {[key: string]: any}, viewModel: any): boolean {
  if (!changes.hasOwnProperty('model')) return false;
  const change = changes['model'];

  if (change.isFirstChange()) return true;
  return !looseIdentical(viewModel, change.currentValue);
}

const BUILTIN_ACCESSORS = [
  CheckboxControlValueAccessor,
  RangeValueAccessor,
  NumberValueAccessor,
  SelectControlValueAccessor,
  SelectMultipleControlValueAccessor,
  RadioControlValueAccessor,
];

export function isBuiltInAccessor(valueAccessor: ControlValueAccessor): boolean {
  return BUILTIN_ACCESSORS.some(a => valueAccessor.constructor === a);
}

export function syncPendingControls(form: FormGroup, directives: NgControl[]): void {
  form._syncPendingControls();
  directives.forEach((dir) => {
    const control = dir.control as FormControl;
    if (control.updateOn === 'submit' && control._pendingChange)
      dir.viewToModelUpdate(control._pendingValue);
    control._pendingChange = false;
  });
}

// TODO: vsavkin remove it once
export function _ngModelWarning(name: string, type: {_ngModelWarningSentOnce: boolean},
    instance: {_ngModelWarningSent: boolean}, warningConfig: string | null) {
  if (!isDevMode() || warningConfig === 'never') return;
  if (((warningConfig === null ||
      warningConfig === 'once') && !type._ngModelWarningSentOnce) ||
      (warningConfig === 'always' &&
        !instance._ngModelWarningSent)) {
    ReactiveErrors.ngModelWarning(name);
    type._ngModelWarningSentOnce = true;
    instance._ngModelWarningSent = true;
  }
}

import {EventEmitter} from 'angular2/core';
import {Observable} from 'rxjs';
import {composeAsyncValidators, composeValidators} from
import {AsyncValidatorFn, ValidationErrors, ValidatorFn} from './directives/validators';

import {toObservable} from './validators';

/**
 * Reports that a FormControl is valid, meaning that no errors exist in the input value.
 * @see `status`
 */
export const VALID = 'VALID';

/**
 * Reports that a FormControl is invalid, meaning that an error exists in the input value.
 * @see `status`
 */
export const INVALID = 'INVALID';

/**
 * Reports that a FormControl is pending, meaning that that async validation is occurring and
 * errors are not yet available for the input value.
 * @see `markAsPending`
 */
export const PENDING = 'PENDING';

/**
 * Reports that a FormControl is disabled, meaning that the control is exempt from ancestor
 * validation or value.
 * @see `markAsDisabled`
 * @see `status`
 */
export const DISABLED = 'DISABLED';

function _find(control: AbstractControl, path: Array<string|number>| string, delimiter: string) {
  if (path == null) return null;

  if (!Array.isArray(path)) {
    path = path.split(delimiter);
  }
  if (Array.isArray(path) && path.length === 0)
    return null;

  // Not using Array.reduce here due to a Chrome 80 bug
  // https://bugs.chromium.org/p/chromium/issues/detail?id=1049982
  let controlToFind: AbstractControl|null = control;
  path.forEach((name: string | number) => {
    if (controlToFind instanceof FormGroup) {
      controlToFind = controlToFind.controls.hasOwnProperty(name as string) ?
          controlToFind.controls[name as string] : null;
    } else if (controlToFind instanceof FormArray) {
      controlToFind = controlToFind.at(<number>name) || null;
    } else {
      controlToFind = null;
    }
  });
  return controlToFind;
}

function coerceToValidator(validatorOrOpts?: ValidatorFn | ValidatorFn[]): ValidatorFn|null {
  const validator =
      (isOptionsObj(validatorOrOpts) ?
       (validatorOrOpts as AbstractControlOptions).validators :
       validatorOrOpts) as ValidatorFn |
      ValidatorFn[] | null;

  return Array.isArray(validator) ? composeValidators(validator) : validator ||
                        null;
}

function coerceToAsyncValidator(asyncValidator?: AsyncValidatorFn | AsyncValidatorFn[]): AsyncValidatorFn|null {
  const origAsyncValidator =
       (isOptionsObj(validatorOrOpts) ?
       (validatorOrOpts as AbstractControlOptions).asyncValidators :
       asyncValidator) as AsyncValidatorFn |
       AsyncValidatorFn | null;

  return Array.isArray(origAsyncValidator) ?
      composeAsyncValidators(origAsyncValidator) :
      origAsyncValidator;
}

export type FormHooks = 'change' | 'blur' | 'submit';

/**
 * Interface for options provided to an `AbstractControl`.
 * @publicApi
 */
export interface AbstractControlOptions {
  /**
   * The list of validators applied to a control.
   */
  validators?: ValidatorFn|ValidatorFn[]|null;
  /**
   * The list of async validators applied to control.
   */
  asyncValidators?: AsyncValidatorFn | AsyncValidatorFn[] | null;
  /**
   * The event name for control to update upon.
   */
  updateOn?: 'change'|'blur'|'submit';
}

function isOptionsObj(validatorOrOpts?: ValidatorFn | ValidatorFn[] | AbstractControlOptions | null): boolean {
  return validatorOrOpts != null &&
       !Array.isArray(validatorOrOpts) &&
       typeof validatorOrOpts === 'object' &&
       !Array.isArray(validatorOrOpts) /* Interface for options provided to an 'AbstractControl'. */
       * @publicApi
       * @description
       * The list of validators applied to a control.
       * @description
       * The event name for control to update upon.
       */
}

class AbstractControl {
  /**
   * The current value of the control.
   * @description
   * This is the base class for 'FormControl', 'FormGroup', and 'FormArray'.
   * It provides some of the shared behavior that all controls and groups of controls
   * have, like properties that are shared between all sub-classes, like `value`, `valid`, and `dirty`.
   * It shouldn't be instantiated directly.
   * @see [Forms Guide](/guide/forms)
   * @see [Reactive Forms Guide](/guide/reactive-forms)
   * @see [Dynamic Forms Guide](/guide/dynamic-form)
   */

  _onCollectionChange = () => {};
an array.

```typescript
@Param validator The function that determines the synchronous validity of this control.
@Param asyncValidator The function that determines the asynchronous validity of this control.

constructor(public validator: ValidatorFn|null, public asyncValidator: AsyncValidatorFn|null) {
  this.validator = coerceToValidator(newValidator);
}
```

```typescript
/**
 * Sets the async validators that are active on this validation to take effect.
 *
 */
setValidators(newValidator: ValidatorFn|ValidatorFn[]|null): void {
  * When you add or remove a validator at run time, you must call `updateValueAndValidity()` for the new
  * validation to take effect.
  *
  * @see {link AbstractControl.status}
  *
  */

  * A control is 'disabled' when its status is 'DISABLED'.
  * A control is 'invalid' when its status is 'INVALID'.
  * A control is 'valid' when its status is 'VALID'.
  * A control is 'pending' when its status is 'PENDING'.
  *
  * When you add or remove a validator at run time, you must call `updateValueAndValidity()` for the new
  * validation to take effect.
  *
  **PENDING**: This control is in the midst of conducting a validation check.
  **DISABLED**: This control has failed at least one validation check.
  **VALID**: This control has passed all validation checks.
  **INVALID**: This control has failed at least one validation check.
  *
  * These status values are mutually exclusive, so a control cannot be in * both valid AND invalid or invalid AND disabled.
  *
  // TODO(issue/24571): remove '!'.
  *
  * A control is 'invalid' when its status is 'INVALID'.
  * A control is 'valid' when its status is 'VALID'.
  * A control is 'pending' when its status is 'PENDING'.
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```
control. Calling this
* overwrites any existing async validators.
* When you add or remove a validator at run time, you must call
* `updateValueAndValidity()` for the new validation to take effect.
* When you add or remove a validator at run time, you must call
* `updateValueAndValidity()` for the new validation to take effect.
* Empties the sync validator list.
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* Empties out the async validator list.
* When you add or remove a validator at run time, you must call
* `updateValueAndValidity()` for the new validation to take effect.
* Empties out the async validator list.

```typescript
setAsyncValidators(newValidator: AsyncValidatorFn|AsyncValidatorFn[][]null): void {
  this.asyncValidator = coerceToAsyncValidator(newValidator);
  }/**
   * @param opts Configuration options that determine how the control propagates changes
   * and emits events after marking is applied.
   *
   */
```

```typescript
markAsTouched(opts: {onlySelf?: boolean} = {}): void {
  (this as{touched: boolean}).touched = true;
  if (this._parent && !opts.onlySelf) {
    this._parent.markAsTouched({onlySelf: true});
    this._forEachChild((control: AbstractControl) => control.markAsTouched());
  }/**
   * Marks the control as `touched`. A control is touched by focus and
   * blur events that do not change
   * Empties out the async validator list.
   */
```

```typescript
markAsDirty(opts: {onlySelf?: boolean} = {}): void {
  (this as{pristine: boolean}).pristine = false;
  if (this._parent && !opts.onlySelf) {
    this._parent.markAsDirty({onlySelf: true});
    this._forEachChild((control: AbstractControl) => control.markAsDirty());
  }/**
   * Marks the control as `dirty`. A control becomes dirty
   * Empties out the async validator list.
   */
```

```typescript
markAsPristine(opts: {onlySelf?: boolean} = {}): void {
  (this as{pristine: boolean}).pristine = true;
  this._forEachChild((control: AbstractControl) =>
  control.markAsPristine({onlySelf: true});
  }/**
   * Marks the control as `pristine`. If the control has any children, marks all children as `pristine`,
   * and recalculates the `pristine` status of all parent controls.
   */
```

```typescript
markAsPending(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {
  (this as{status: string}).status = PENDING;
  if (opts.emitEvent !== false) {
    (this.statusChanges as
null if (this._parent && & !opts.onlySelf) {null
this._parent.markAsPending(opts);null |null /*null */ Disables the control. This means the control is exempt from validation checks and is excluded from the aggregate value of any parent. Its status is 'DISABLED'./*null */ If the control has children, all children are also disabled./*null */ @scope {link AbstractControl.status}/*null */ @param opts Configuration options that determine how the control propagates * changes and emits events after the control is disabled./*null */ * `onlySelf`: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false./*null */ * `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is disabled./*null */ When false, no events are emitted./*null */ @disable(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {ln // If parent has been marked artificially dirty we don't want to re-calculate the ln // parent's dirtiness based on the children. const skipPristineCheck = this._parentMarkedDirty(opts.onlySelf); /*null */ if (this.as[string]).status = DISABLED; /*null */ (this as [errors: ValidationErrors | null]).errors = null; /*null */ if (this._forEachChild((control: AbstractControl) => { /*null */ control.disable({...opts, onlySelf: true}); }) |ln if (opts.emitEvent !== false) {null (this.valueChanges as EventEmitter<any>).emit(this.value); null (this.statusChanges as EventEmitter<string>).emit(this.status);null }
this._updateAncestors({...opts, skipPristineCheck});
}

this.enable(...opts, skipPristineCheck): this._onDisabledChange.forEach((changeFn) => changeFn(true));
}
/*null */ Enables the control. This means the control is included in validation checks and its aggregate value of its parent. Its status recalculates based on its value and its validators./*null */ By default, if the control has children, all children are enabled./*null */ @scope {link AbstractControl.status}/*null */ *null */ @param opts Configure options that control how the control propagates changes and * emits events when marked as untouched./*null */ * `onlySelf`: When true, mark only this control. When false or not supplied, marks all direct ancestors. Default is false./*null */ * `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control is enabled./*null */ When false, no events are emitted./*null */ @enable(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void {ln // If parent has been marked artificially dirty we don't want to re-calculate the ln // parent's dirtiness based on the children. const skipPristineCheck = this._parentMarkedDirty(opts.onlySelf); /*null */ if (this.as[string]).status = VALID; /*null */ if (this._forEachChild((control: AbstractControl) => { /*null */ control.enable({...opts, onlySelf: true}); }) |ln this.updateValueAndValidity({onlySelf: true, emitEvent: opts.emitEvent});this._updateAncestors({...opts, skipPristineCheck});
}

this.onDisabledChange.forEach((changeFn) => changeFn(false));
/*null */ private _updateAncestors({...opts, skipPristineCheck});
/**
 * Sets the parent of the control
 */
setParent(parent: FormGroup|FormArray): void {
this._parent = parent; 
} /*null */

/**
 * Sets the value of the control. Abstract method (implemented in sub-classes).
 */abstract setValue(value: any, options?: Object): void; /*null */ /*null */ Patches the value of the control. Abstract method (implemented in sub-classes). /*null */ /*null */ abstract patchValue(value: any, options?: Object): void; /*null */ /*null */ /*null */ @parent Sets the parent of the control *null setParent(parent: FormGroup|FormArray): void { this._parent = parent; } /*null */ /*null */ * Sets the value of the control. Abstract method (implemented in sub-classes). /*null */ /*null */ abstract reset(value: any, options?: Object): void; /*null */ /*null */ * Recalculates the value and validation status of the control. /*null */ * By default, it also updates the value and validity of its ancestors. /*null */ @param opts Configuration options determine how the control propagates changes and emits events * after updates and validity checks are applied. /*null */ * `onlySelf`: When true, only update this control. When false or not supplied, * update all direct ancestors. Default is false./*null */ * `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` /*null */ observables emit events with the latest status and value when the control is updated. /*null */ * When false, no events are emitted. /*null */ @scope {updateValueAndValidity(opts: {onlySelf?: boolean, emitEvent?: boolean} = {}): void { /*null */ this._setInitialStatus(); /*null */ if (this.enabled) {null /*null */ (this as[errors: ValidationErrors | null]).errors = this._runValidator(); /*null */ if (this.enabled) {null /*null */ (this as{status: string}).status = this._calculateStatus(); /*null */ if (this.status === VALID || this.status === PENDING) {null

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```javascript
console.log(control.value); // 'Drew'

```
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```javascript
(this.controls[name]) return this.controls[name];
  this.controls[name] = control;
  control.setParent(this);
  control._registerOnCollectionChange(this._onCollectionChange);
  return control;
}

/**
 * Add a control to this group.
 *
 * @param name The control name to add to the collection
 * @param control Provides the control for the given name
 * @returns control
 */
addControl(name: string, control: AbstractControl): void {
  void {
    this._onCollectionChange();
    this._registerOnCollectionChange(() => {});
    this.controls[name];
    this.controls[name] = control;
    control.setParent(this);
    control._registerOnCollectionChange(this._onCollectionChange);
    return control;
}

/**
 * Add a control to this group.
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 * This method also updates the value and validity of the control.
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    this.controls[name];
    this.controls[name] = control;
    control.setParent(this);
    control._registerOnCollectionChange(this._onCollectionChange);
    return control;
  }

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   * Add a control
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   * This method also updates the value and validity of the control.
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    this._onCollectionChange();
    this._registerOnCollectionChange(() => {});
    this.controls[name];
    this.controls[name] = control;
    control.setParent(this);
    control._registerOnCollectionChange(this._onCollectionChange);
    return control;
  }

  /**
   * Remove a control from this group.
   *
   * @param name The control name to remove from the collection
   * @returns control
   */
removeControl(name: string): void {
  void {
    if (this.controls[name]) this.controls[name].removeControl(name);
    delete (this.controls[name]);
    this.updateValueAndValidity();
    this._onCollectionChange();
  }

  /**
   * Remove a control from this group.
   *
   * @param name The control name to remove from the collection
   * @returns control
   */
removeControl(name: string): void {
  void {
    if (this.controls[name]) this.controls[name].removeControl(name);
    delete (this.controls[name]);
    this.updateValueAndValidity();
    this._onCollectionChange();
  }

  /**
   * Replace an existing control.
   *
   * @param name The control name to replace in the collection
   * @param control Provides the control for the given name
   */
setControl(name: string, control: AbstractControl): void {
  void {
    if (this.controls[name]) this.controls[name].removeControl(name);
    delete (this.controls[name]);
    if (control) this.registerControl(name, control);
    this.updateValueAndValidity();
    this._onCollectionChange();
  }

  /**
   * Check whether there is an enabled control with the given name in the group.
   *
   * @param name The control name to check for existence
   * @returns true if there is an enabled control with the given name in the group, false otherwise
   */
contains(controlName: string): boolean {
  return this.controls.hasOwnProperty(controlName) && this.controls[controlName].enabled;
}

  /**
   * Sets the value of the `FormGroup`. It accepts an object that matches the structure of the group, with control names as keys.
   *
   * @param value The new value for the control that matches the structure of the group
   * @param options Configuration options that determine how the control propagates changes and emits events after the value changes.
   * @returns void
   */
setValue(value: { [key: string]: any }, options: { onlySelf?: boolean, emitEvent?: boolean } = {}): void {
  this._checkAllValuesPresent(value);
  Object.keys(value).forEach(name => {
    this._throwIfControlMissing(name);
    this.controls[name].setValue(value[name], { onlySelf: true, emitEvent: options.emitEvent });
  });
  this.updateValueAndValidity(options);
}

  /**
   * Patches the value of the `FormGroup`. It accepts an object whose names correspond to the names of the controls in the group, and does its best to match the values to the correct controls.
   *
   * @param value The new value for the control that matches the structure of the group
   * @param options Configuration options that determine how the control propagates changes and emits events after the value is patched.
   * @returns void
   */
patchValue(value: { [key: string]: any }, options: { onlySelf?: boolean, emitEvent?: boolean } = {}): void {
  Object.keys(value).forEach(name => {
    if (this.controls[name]) {
      this.controls[name].setValue(value[name], { onlySelf: true, emitEvent: options.emitEvent });
    }
  });
}
```

The two types of validators are passed in separately as the second and third arg
respectively, or together as part of an options object.

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respectively, or together as part of an options object.

- `validatorOrOpts` A synchronous validator function, or an array of
  such functions, or an `AbstractControlOptions` object that contains validation functions
  and a validation trigger.
- `asyncValidator` A single async validator or array of async validator functions
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  such functions, or an `AbstractControlOptions` object that contains validation functions
  and a validation trigger.
- `asyncValidator A single async validator or array of async validator functions
  or an options object.
this.updateValueAndValidity();

this._onCollectionChange();

/**
 * Length of the control array.
 */

get length(): number {
  return this.controls.length;
}

/**
 * Sets the value of the `FormArray`. It accepts an array that matches the structure of the control. This method performs strict checks, and throws an error if you try to set the value of a control that doesn't exist or if you exclude the value of a control.

### Set the values for the controls in the form array

```ts
const arr = new FormArray([new FormControl(), new FormControl()]);
arr.setValue(['Nancy', 'Drew']);
```

### Patch the values for controls in a form array

```ts
arr.patchValue(['Nancy']);
```

### Reset the values in a form array

```ts
arr.reset(['name', 'last name']);
```

* The configuration options are passed to the `updateValueAndValidity` method.

* `setValue(value: any[], options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void`:

  * `onlySelf`: When true, each child only affects this control, and not its parent. Default is false.
  * `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control value is updated. When false, no events are emitted.

* `patchValue(value: any[], options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void`:

  * `onlySelf`: When true, each child only affects this control, and not its parent. Default is false.
  * `emitEvent`: When true or not supplied (the default), both the `statusChanges` and `valueChanges` observables emit events with the latest status and value when the control value is updated. When false, no events are emitted.

* `reset(value: any = [], options: {onlySelf?: boolean, emitEvent?: boolean} = {}): void`:

  * `onlySelf`: When true, each child only affects this control, and not its parent. Default is false.
control.reset(value[index], {onlySelf: true, emitEvent: options.emitEvent});
    });
  }

  /**
   * The aggregate value of the array, including any disabled controls.
   * * Reports all values regardless of disabled status.
   * * For enabled controls only, the `value` property is the best way to get the value of the array.
   * *
   * `getRawValue()` can be useful in the rare situation where you need to preserve disabled values.  For
   * example, if you're implementing a custom `ControlValueAccessor` that keeps track of invalid values,
   * it will need to provide the `value` of every control, including those that are disabled.
   * *
   * **Example**
   * ```
   * const formControl = new FormControl();
   * formControl.disable();
   * formControl.setValue({ a: 1, b: 2 });
   * const rawValue = formControl.getRawValue();
   * console.log(rawValue);  // { a: 1, b: 2, c: undefined, d: undefined }  
   * ```
   * *
   * `getRawValue()` returns the `value` of every control, not just those that are enabled.
   * *
   * **Example**
   * ```
   * const formControl = new FormControl();
   * formControl.setValue({ a: 1, b: 2 });
   * const rawValue = formControl.getRawValue();
   * console.log(rawValue);  // { a: 1, b: 2 }  
   * ```
   * *
   * `getRawValue()` includes the values of disabled controls.
   * *
   * **Example**
   * ```
   * const formControl = new FormControl();
   * formControl.disable();
   * formControl.setValue({ a: 1, b: 2 });
   * const rawValue = formControl.getRawValue();
   * console.log(rawValue);  // { a: 1, b: 2, c: undefined, d: undefined }  
   * ```
   * *
   * `getRawValue()` does **not** include the `value` of disabled controls.
   * *
   * **Example**
   * ```
   * const formControl = new FormControl();
   * formControl.disable();
   * formControl.setValue({ a: 1, b: 2 });
   * const rawValue = formControl.getRawValue();
   * console.log(rawValue);  // { a: undefined, b: undefined }  
   * ```
   * */
  getRawValue(): any[] {
    return this.controls.map(control => control.value);
  }

  /**
   * Remove all controls in the `FormArray`.
   *
   * Reports all values regardless of disabled status.
   * * For enabled controls only, the `value` property is the best way to get the value of the array.
   * *
   * `clear()` can be useful in the rare situation where you need to preserve disabled values.  For
   * example, if you're implementing a custom `ControlValueAccessor` that keeps track of invalid values,
   * it will need to provide the `value` of every control, including those that are disabled.
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   * *
   * `clear()` does **not** include the `value` of disabled controls.
   * *
   * **Example**
   * ```
   * const formControl = new FormControl();
   * formControl.disable();
   * formControl.setValue({ a: 1, b: 2 });
   * const rawValue = formControl.getRawValue();
   * console.log(rawValue);  // { a: undefined, b: undefined }  
   * ```
   * */
  clear(): void {
    this.controls.forEach(control => control.reset());
    this.updateValueAndValidity();
  }

  /** @internal */
  _syncPendingControls(): boolean {
    return this.controls.reduce((updated: boolean, control: AbstractControl) => {
      return control._syncPendingControls() ? true : updated;
    }, false);
  }

  /** @internal */
  _throwIfControlMissing(index: number): void {
    if (this.controls.length < 1) return;
    if (!this.controls[index]) {
      throw new Error(`Cannot find form control at index: 

        There are no form controls registered with this array yet.  If you're using ngModel, you
        may want to check next tick (e.g. use setTimeout()).`);
    }
  }

  /** @internal */
  _setUpControls(): void {
    this.controls.forEach(control => this._registerControl(control));
  }

  /** @internal */
  _checkAllValuesPresent(value: any[]): void {
    this.controls.forEach(control => {
      if (value[control.index] === undefined) {
        throw new Error(`Must supply a value for form control at index: 

        This is only necessary when you're passing a reference to each control in `.
        `.`);
      }
    });
  }

  /** @internal */
  _allControlsDisabled(): boolean {
    if (this.controls.length < 1) return false;
    return this.controls.every(control => control.disabled);
  }
child controls with the form, use `NgModel` with a `name` attribute. You may use `NgModelGroup` to create sub-groups within the form.

In template driven forms, all `<form>` tags are automatically tagged as `NgForm`. To import the `FormsModule` but skip its use in some forms, for example, to use native HTML5 validation, add the `ngNoForm` and the `<form>` tags won't create an `NgForm` directive. In reactive forms, using `ngNoForm` is unnecessary because the `<form>` tags are inert. In that case, you would refrain from using the `formGroup` directive.

The following example shows how to capture the form values from the `Submit` event:

```html
<input name="one" ngModel>
```

### Native DOM validation UI

In order to prevent the native DOM form validation UI from interfering with Angular's form validation, Angular automatically adds the `novalidate` attribute on any `<form>` whenever a `FormModule` or ` ReactiveFormModule` are imported into the application.

If you want to explicitly enable native DOM validation UI with Angular forms, you can add the `ngNativeValidate` attribute to the `<form>` element:

```html
<form ngNativeValidate>
  ...
</form>
```

### Setting the update options

The following example shows you how to change the `updateOn` option from its default using `NgFormOptions`:

```html
<form 

  

  output: {{formGroup economical: class FormGroup extends FormGroup implements Form,

  /**
   * @description
   * Returns whether the form submission has been triggered.
   */

  /**
   * @description
   * Returns a map of the controls in this group.
   */

  /**
   * @description
   * The `FormGroup` instance created for this form.
   */

  /**
   * @description
   * The directive instance.
   */

  /**
   * @description
   * Method that sets up the control directive in this group, re-calculates its value
   * and validity, and adds the instance to the internal list of directives.
   *
   * @param dir The `NgModel` directive instance.
   */

  /**
   * @description
   * Returns a map of the controls in this group.
   */

  /**
   * @description
   * The directive instance.
   */

  /**
   * @description
   * The internal `FormGroup` instance, 

  @ngModule FormsModule

  @publicApi
  @Directive({
    selector: 'form:not([ngNoForm]):not([formGroup]),ng-form,[ngForm]',
  providers: [formDirectiveProvider],
  host: {'(submit)': 'onSubmit($event)', 'reset': 'onReset()'},
  outputs: ['ngSubmit'],
  exportAs: 'ngForm'
})
export class NgForm extends ControlContainer implements Form,

```html
<form ngNativeValidate>
  ...
</form>
```
instance.

removeControl(dir: NgModel): void {
  resolvedPromise.then(() => {
    const container = this._findContainer(dir.path);
    if (container) {
      container.removeControl(dir.name);
    }
  });
}

removeDir<NgModel>(this._directives, dir: NgModelGroup): void {
  resolvedPromise.then(() => {
    const container = this._findContainer(dir.path);
    const group = new FormGroup({});
    setUpFormContainer(group, dir);
    container.registerControl(dir.name, group);
    group.updateValueAndValidity({emitEvent: false});
  });
}

addFormGroup(dir: NgModelGroup): void {
  resolvedPromise.then(() => {
    const container = this._findContainer(dir.path);
    const group = new FormGroup({});
    setUpFormContainer(group, dir);
    container.registerControl(dir.name, group);
    group.updateValueAndValidity({emitEvent: false});
  });
}

removeFormGroup(dir: NgModelGroup): void {
  resolvedPromise.then(() => {
    const container = this._findContainer(dir.path);
    if (container) {
      container.removeControl(dir.name);
    }
  });
}

getFormGroup(dir: NgModelGroup): FormGroup { return <FormGroup>this.form.get(dir.path); }

setValue(value: {[key: string]: any}): void { this.control.setValue(value); }

onSubmit($event: Event): boolean {
  (this as{submitted: boolean}).submitted = true;
  syncPendingControls(this.form, this._directives);
  this.ngSubmit.emit($event);
  return false;
}

onReset(): void {
  this.resetForm();
}

resetForm(value: any = undefined): void {
  this.form.reset(value);
  (this as{submitted: boolean}).submitted = false;
}

private _setUpdateStrategy() {
  if (this.options && this.options.updateOn != null) {
    this.form._updateOn = this.options.updateOn;
  }
}

_findContainer(path: string[]): FormGroup {
  path.pop();
  return path.length ?<FormGroup>this.form.get(path) : this.form;
}

* * *

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this.name.toString(), this._parent);
    }

  /**
   * @description
   * The top-level directive for this group if present, otherwise null.
   */
  get formDirective(): Form|null { return this._parent ? this._parent.formDirective : null; }

  /**
   * @description
   * The synchronous validators registered with this group.
   */
  get validator(): ValidatorFn|null { return composeValidators(this._validators); }

  /**
   * @description
   * The async validators registered with this group.
   */
  get asyncValidator(): AsyncValidatorFn|null { return composeAsyncValidators(this._asyncValidators); }

  /** @internal */
  _checkParentType(): void {
  }

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 */

import {FormErrorExamples as Examples} from './error_examples';

export class TemplateDrivenErrors {
  static modelParentException(): void {
    throw new Error(`
      ngModel cannot be used to register form controls with a parent formGroup directive. Try using formGroup's partner directive \"formControlName\" instead.

      Example:

      ${Examples.formControlName}

      Or, if you'd like to avoid registering this form control, indicate that it's standalone in ngModelOptions:

      Example:

      ${Examples.ngModelWithFormGroup}`);
  }

  static formGroupNameException(): void {
    throw new Error(`
      ngModel cannot be used to register form controls with a parent formGroupName or formArrayName directive.

      Option 1: Use formControlName instead of ngModel (reactive strategy):

      ${Examples.formGroupName}

      Option 2: Use a regular form tag instead of the formGroup directive (template-driven strategy):

      ${Examples.ngModelGroup}`);
  }

  static missingNameException() {
    throw new Error(`
      If ngModel is used within a form tag, either the name attribute must be set or the form\n control must be defined as 'standalone' in ngModelOptions.

      Example 1: <input [(ngModel)]="person.firstName" name="first">

      Example 2: <input [(ngModel)]="person.firstName" [ngModelOptions]="{standalone: true}"
    `);
  }

  static modelGroupParentException() {
    throw new Error(`
      ngModelGroup cannot be used with a parent formGroup directive.

      Option 1: Use formControlName instead of ngModelGroup (reactive strategy):

      ${Examples.formGroupName}

      Option 2: Use a regular form tag instead of the formGroup directive (template-driven strategy):

      ${Examples.ngModelGroup}`);
  }
}

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 */

import {Directive, Host, Inject, Input, OnInit, OnDestroy, Optional, Self, SkipSelf, forwardRef} from '@angular/core';

import {AbstractFormGroupDirective} from './abstract_form_group_directive';
import {ControlContainer} from './control_container';
import {NgForm} from './ng_form';
import {TemplateDrivenErrors} from './template_driven_errors';

export const modelGroupProvider: any = {
  provide: ControlContainer,
  useExisting: forwardRef(() => NgModelGroup)
};

/**
 * @description
 * Creates and binds a `FormGroup` instance to a DOM element.
 *
 * This directive can only be used as a child of `NgForm` (within `<form>` tags).
 *
 * Use this directive to validate a sub-group of your form separately from the rest of your form, or if some values in your domain model make more sense to consume together in a nested object. Provide a name for the sub-group and it will become the key for the sub-group in the form's full value.
 *
 * You need direct access, export the directive into a local template variable using `ngModelGroup` (ex: `#myGroup="ngModelGroup"`).
 * Consuming controls in a grouping can be a little more complex:
 *
 * The following example shows you how to combine controls together in a sub-group of the form:
 *
 * @example
 */

export class NgModelGroup extends AbstractFormGroupDirective implements OnInit, OnDestroy {
  /**
   * @description
   * Tracks the name of the `NgModelGroup` bound to the directive.
   */

  @Input('ngModelGroup') name !: string;

  constructor(@Host() @SkipSelf() parent: ControlContainer, @Optional() @Self() @Inject(NG_VALIDATORS) validators: any[], @Optional() @Self() @Inject(NG_ASYNC_VALIDATORS) asyncValidators: any[]) {
    super();
  }

  ngOnInit(): void {
    // This directive can only be used as a child of `NgForm` (within `<form>` tags)
    this._parent = parent;
    }
this._validators = validators;
this._asyncValidators = asyncValidators;

/** @internal */
_checkParentType(): void {
  if (!this._parent.instanceof NgModelGroup) &
  if (!this._parent.instanceof NgForm) {
    TemplateDrivenErrors.modelGroupParentException();
  }
}

/** @internal */
_checkParentType(): void {
  if (!(this._parent instanceof NgModelGroup) && !(this._parent instanceof
  NgForm)) {
    TemplateDrivenErrors.modelGroupParentException();
  }
}

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 */

import {Directive, EventEmitter, Host,
  Inject, Input, OnChanges, OnDestroy, Optional, Output, Self, SimpleChanges, forwardRef} from
'@angular/core';

import {FormControl, FormHooks} from '../model';
import {NG_ASYNC_VALIDATORS,
  NG_VALIDATORS} from '../validators';

import {AbstractFormGroupDirective} from
'./abstract_form_group_directive';
import {ControlContainer} from './control_container';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from './control_value_accessor';
import {NgControl} from './ng_control';
import {NgForm} from './ng_form';
import {NgModelGroup} from './ng_model_group';
import {composeAsyncValidators, composeValidators, controlPath, isPropertyUpdated, selectValueAccessor,
  setUpControl} from './shared';
import {TemplateDrivenErrors} from './template_driven_errors';
import {AsyncValidator, AsyncValidatorFn, Validator, ValidatorFn} from './validators';

export const
formControlBinding: any = {
  provide: NgControl,
  useExisting: forwardRef(() => NgModel)
};

/**
 * @description
 * Creates a `FormControl` instance from a domain model and
 * binds it to a form control element.
 *
 * The `FormControl` instance tracks the value, user interaction, and
 * validation status of the control and keeps the view synced with the model. If used
 * within a parent form, the
 * directive also registers itself with the form as a child
 * control. In the context of a parent form, it's often
 * unnecessary to include one-way or two-way binding, 
 * as the parent form syncs the value for you. You access its
 * properties by exporting it into a local template variable using `ngModel` as the key (ex: `#myVar="ngModel"`).
 * In the context of a parent form, it's often
 * unnecessary to include one-way or two-way binding, 
 * as the parent form syncs the value for you. You access its
 * properties by exporting it into a local template variable using `ngModel` as the key (ex: `#myVar="ngModel"`).
 * You then access the control using the
directive's `control` selector to activate it.
 * It accepts a domain model as an optional `Input`.
 * You then access the control using the
directive's `control` selector to activate it.
 * It accepts a domain model as an optional `Input`.
 * If you have a one-way binding
 * to `ngModel` with `[]` syntax, changing the value of the domain model in the
component
 * sets the value in the view. If you have a two-way binding with `[()]` syntax
 * (also known as `banana-box syntax`), the value in the UI always syncs back to
 * the domain model in your class.
 * To inspect the properties of the associated `FormControl` (like validity state),
 * export the directive into a local template variable using `ngModel` as the key (ex: `#myVar="ngModel"`).
 * You then access the control using the
directive's `control` property, 
 * but most properties used (like `valid` and `dirty`) fall through to the control
 * anyway for direct access.
 * See a full list of properties directly available in `AbstractControlDirective`.
 * You then access the control using the
directive's `control` property, 
 * but most properties used (like `valid` and `dirty`) fall through to the control
 * anyway for direct access.
 * See a full list of properties directly available in `AbstractControlDirective`.
 * @see `RadioControlValueAccessor` 
 * @see `SelectControlValueAccessor` 
 * @usageNotes
 * 
 * ### Using ngModel on a standalone control
 * 
 * The following examples show a simple standalone control using
 * `ngModel`:
 * 
 * ```html
 * <form>
 *   <input
 * ```
 * 
 * ### Using ngModel within a group
 * 
 * The following example shows how to use a standalone ngModel control
 * within a form. This controls the display of the form, but doesn't contain form data.
 * ```html
 * <form>
 *   <input
 * ```
Synchronous validator function composed of all the synchronous validators registered with this directive.

get validator(): ValidatorFn | null { return composeValidators(this._rawValidators);
}

Async validator function composed of all the async validators registered with this directive.

get asyncValidator(): AsyncValidatorFn | null {
  return composeAsyncValidators(this._rawAsyncValidators);
}

return this._parent ? this._parent.formDirective : null;

/**
 * @description
 * Sets the new value for the view model and emits an `ngModelChange` event.
 * @param newValue The new value emitted by `viewToModelUpdate`.
 */
viewToModelUpdate(newValue: any): void {
  this.viewModel = newValue;
  this.update.emit(newValue);
}

private _setUpControl(): void {
  this._setUpdateStrategy();
  if (this._isStandalone()) this._setUpStandalone() else this.formDirective.addControl(this);
  this._registered = true;
}

private _setUpdateStrategy(): void {
  if (this.options && this.options.updateOn != null) {
    this.control._updateOn = this.options.updateOn;
  }
}

private _isStandalone(): boolean {
  return !this._parent || !!(this.options && this.options.standalone);
}

private _setUpStandalone(): void {
  setUpControl(this.control, this);
  this.control.updateValueAndValidity({emitEvent: false});
}

private _checkForErrors(): void {
  if (!this._isStandalone()) {
    this._checkParentType();
  }
  this._checkName();
}

private _checkParentType(): void {
  if (!(this._parent instanceof NgModelGroup) &&
    this._parent instanceof AbstractFormGroupDirective) {
    TemplateDrivenErrors.formGroupNameException();
  } else if (!(this._parent instanceof NgModelGroup) && !(this._parent instanceof NgForm)) {
    TemplateDrivenErrors.modelParentException();
  }
}

private _checkName(): void {
  if (this.options && this.options.name) this.name = this.options.name;
  if (!this._isStandalone() && !this.name) {
    TemplateDrivenErrors.missingNameException();
  }
}

private _updateValue(value: any): void {
  resolvedPromise.then(() => { this.control.setValue(value, {emitViewToModelChange: false}); });
}

private _updateDisabled(changes: SimpleChanges) {
  const disabledValue = changes['isDisabled'].currentValue;
  const isDisabled = disabledValue === '' || (disabledValue && disabledValue !== 'false');
  resolvedPromise.then(() => {
    if (isDisabled && !this.control.disabled) {
      this.control.disable();
    } else if (!isDisabled && this.control.disabled) {
      this.control.enable();
    }
  });
}

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 */

import {Directive} from '@angular/core';

/**
 * @description
 *
 * Adds `novalidate` attribute to all forms by default.
 *
 * `novalidate` is used to disable browser's native form validation.
 *
 * If you want to use native validation with Angular forms, just add `ngNativeValidate` attribute:
 *
 * ```
 * <form ngNativeValidate></form>
 * ```
 *
 */
@Directive({
  selector: 'form:not([ngNoForm]):not([ngNativeValidate])',
  host: {'novalidate': ''},
})
export class ɵNgNoValidate {
}

export {ɵNgNoValidate as NgNoValidate};

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 */

import {Directive, EventEmitter, Inject, InjectionToken, Input, OnChanges, Optional, Output, Self, SimpleChanges, forwardRef} from '@angular/core';

import {FormControl} from '../../model';
import {NG_ASYNC_VALIDATORS, NG_VALIDATORS} from '../../validators';
import {ControlValueAccessor, NG_VALUE_ACCESSOR} from '../control_value_accessor';
import {NgControl} from '../ng_control';
import {ReactiveErrors} from '../reactive_errors';
import {_ngModelWarning, composeAsyncValidators, composeValidators, isPropertyUpdated, selectValueAccessor, setUpControl} from '../shared';
import {AsyncValidator, AsyncValidatorFn, Validator,
ValidatorFn} from '../validators';

/**
 * Token to provide to turn off the ngModel warning on formControl and formControlName.
 */
export const NG_MODEL_WITH_FORM_CONTROL_WARNING = new InjectionToken('NgModelWithFormControlWarning');

export const formControlBinding: any = {
  provide: NgControl,
  useExisting: forwardRef(() => FormControlDirective)
};

/**
 * Support for using the `ngModel` input property and `ngModelChange` event with reactive
 * form directives has been deprecated in Angular v6 and will be removed in a future version
 * of Angular.

Now deprecated:

```html
<input [formControl]='control' [(ngModel)]='value'>
```

```ts
this.value = 'some value';
```

This has been deprecated for a few reasons. First, developers have found this pattern confusing. It seems like the actual `ngModel` directive is being used, but in fact it's an input/output property named `ngModel` on the reactive form directive that simply approximates (some of) its behavior. Specifically, it allows getting/setting the value and intercepting value events. However, some of `ngModel`'s other features - like delaying updates with `ngModelOptions` or exporting the directive - simply don't work, which has understandably caused some confusion.

In addition, this pattern mixes template-driven and reactive forms strategies, which we generally don't recommend because it doesn't take advantage of the full benefits of either strategy. Setting the value in the template violates the template-agnostic principle behind reactive forms, whereas adding a `FormControl`/`FormGroup` layer removes the convenience of defining forms in the template.

To update your code before support is removed, you'll want to decide whether to stick with reactive form directives (and get/set values using reactive forms patterns) or use something else.

```html
<input [formControl]='control' />
```

```ts
this.control.setValue('some value');
```
@Inject(NG_MODEL_WITH_FORM_CONTROL_WARNING) private _ngModelWarningConfig: string|null) {
  super();
  this._rawValidators = validators || [];
  this._rawAsyncValidators = asyncValidators || [];
  this.valueAccessor = selectValueAccessor(this, valueAccessors);
}

/**
 * @description
 * A lifecycle method called when the directive's inputs change. For internal use
 * only.
 * @param changes A object of key/value pairs for the set of changed inputs.
 */
ngOnChanges(changes: SimpleChanges): void {
  if (this._isControlChanged(changes)) {
    setUpControl(this.form, this);
    if (this.control.disabled && this.valueAccessor!.setDisabledState) {
      this.valueAccessor!.setDisabledState!(true);
    }
    this.form.updateValueAndValidity({emitEvent: false});
  }
  if (isPropertyUpdated(changes, this.viewModel)) {
    _ngModelWarning('formControl', FormControlDirective, this, this._ngModelWarningConfig);
    this.form.setValue(this.model);
  }
  this.viewModel = this.model;
}

/**
 * Returns an array that represents the path from the top-level form to this control.
 * Each index is the string name of the control on that level.
 * get path(): string[] { return []; }
 * @description
 * Synchronous validator function composed of all the synchronous validators
 * registered with this directive.
 * @return(): ValidatorFn|null { return null; }
 * @description
 * Async validator function composed of all the async validators registered with this
 * directive.
 * @return(): AsyncValidatorFn|null {
 * return null;
 * @description
 * The `FormControl` bound to this directive.
 * @return(): FormControl { return null; }
 * @description
 * Reports whether the form submission has been triggered.
 */
ngSubmit$emit(): boolean {
  return changes.hasOwnProperty('form');
}

/**
 * @description
 * A lifecycle method called when the directive's inputs change. For internal use
 * only.
 * @param changes A object of key/value pairs for the set of changed inputs.
 */
ngOnChanges(changes: SimpleChanges): void {
  if (this._isControlChanged(changes)) {
    setUpControl(this.form, this);
    if (this.control.disabled && this.valueAccessor!.setDisabledState) {
      this.valueAccessor!.setDisabledState!(true);
    }
    this.form.updateValueAndValidity({emitEvent: false});
  }
  if (isPropertyUpdated(changes, this.viewModel)) {
    _ngModelWarning('formControl', FormControlDirective, this, this._ngModelWarningConfig);
    this.form.setValue(this.model);
  }
  this.viewModel = this.model;
}

/**
 * Returns an array that represents the path from the top-level form to this control.
 * Each index is the string name of the control on that level.
 * get path(): string[] { return []; }
 * @description
 * Synchronous validator function composed of all the synchronous validators
 * registered with this directive.
 * @return(): ValidatorFn|null { return null; }
 * @description
 * Async validator function composed of all the async validators registered with this
 * directive.
 * @return(): AsyncValidatorFn|null {
 * return null;
 * @description
 * The `FormControl` bound to this directive.
 * @return(): FormControl { return null; }
 * @description
 * Reports whether the form submission has been triggered.
 */
ngSubmit$emit(): boolean {
  return changes.hasOwnProperty('form');
}
@description
* Tracks the list of added `FormControlName` instances
* An directives: FormControlName[] = [];
*\n*\n* @description
* Tracks the `FormGroup` bound to this directive.
* An @Input('formGroup')
*\n*\n* @description
* Emits an event when the form submission has been triggered.
* An @Output() ngSubmit = new EventEmitter();
*\n*\n* @constructor
* Constructs a new FormControlName
*\n*\n* @param
* A lifecycle method called when the directive's inputs change. For internal use only.
*\n*\n* @param
* Changes a object of key/value pairs for the set of changed inputs.
* * An ngOnChanges(changes: SimpleChanges) { void { if (changes.hasOwnProperty('form')) \n*\n*\n* @description
* Returns this directive's instance.
* An getFormDirective(): Form { return this; }
*\n*\n* @description
* Returns the `FormGroup` bound to this directive.
* An get control(): FormGroup [ return this.form; ]
*\n*\n* @description
* Returns an array representing the path to this group. Because this
directive always lives at the top level of a form, it always empty array.
* An get path(): string[] { return []; }\n*\n*\n* @description
* Method that sets up the control directive in this group, re-calculates its value
* and validity, and adds the instance to the internal list of directives.
* An * @param
* Changes a object of key/value pairs for the set of changed inputs.
* * An ngOnChanges(changes: SimpleChanges) { void { if (changes.hasOwnProperty('form')) \n*\n*\n* @description
* Returns the `FormGroup` instance from the internal list of directives
* An * @param
* Returns this directive's instance from the internal list of directives
* An * @param
* Removes the `FormGroup` instance from the internal list of directives
* An * @param
* Add a new `FormGroupName` directive instance to the form.
* An addFormGroup(dir: FormGroupName): void {
*\n*\n* @description
* Method called when the "submit" event is triggered on the form.
* Triggers the `ngSubmit` emitter to emit the "submit" event
* As its payload.
* An * @param
* Method called when the "reset" event is triggered on the form.
* Resets the form to an initial value and resets its submitted status.
* An * @param

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directive is designed to be used with a parent `FormGroupDirective` (selector:

* `[formGroup]`). It accepts the string name of the nested `FormArray` you want to link, and will look for a `FormArray` registered with that name in the parent instance you passed into `FormGroupDirective`. It is designed to be used with a parent `FormGroupDirective` (selector: `@see [Reactive Forms Guide][guide/reactive-forms]`).

- **@see AbstractControl**
- **@usageNotes**
- **@Example**

  ```
  @example forms/ts/nestedFormArray/nested_form_array_example.ts region='Component'
  ```

@see [Reactive Forms Guide](guide/reactive-forms)
@see `AbstractControl`

@usageNotes

### Example

```typescript
// @TODO(issue/24571): remove '!

constructor(ngModel: any) { // TODO(issue/24571): remove '!
    this.ngModel = ngModel;
    this.ngControl = ngControl;
}

ngModel: any;

getControl(): FormControl { return this.ngControl; }

asyncValidator: AsyncValidatorFn | null |

validator: ValidatorFn | null |

path: string[] |

private_checkParentType(): void |

hasInvalidParent: boolean |

valueAccessorFn: any |

 `AbstractFormGroupDirective` from ../abstract_form_group_directive;unimport {ControlContainer} from../control_container;unimport {ControlValueAccessor, NG_VALUE_ACCESSOR} from../control_value_accessor

openSourceUsedInMSXSDWANServicePack 3.9.0  339

provide: NgControl

useExisting: forwardRef(() => FormControlName)

@description

Syncs a `FormControl` in an existing `FormGroup` to a form control element by name.

@see [Reactive Forms Guide](guide/reactive-forms)

@see 'FormControl'

@see 'AbstractControl'

@usageNotes

### Register `FormControl` within a group

The following example shows how to register multiple form controls within a form group and set their value.

```ts
// example forms/ts/simpleFormGroup/simple_form_group_example.ts

@input-group

To see

`FormControlName` examples with different form control types, see:

@radio-button

Radio buttons:

@select

Selects:

@ng-model-accessor

Use with `ngModel`:

@ng-model-change

form directives have been deprecated in Angular v6 and will be removed in a future version of Angular.

@input

Now deprecated:

@html

* `<form [formGroup]='form'>

@input(formControlName='first')` (where `[ngModel]=`)

* `</form>`

@input

* `this.value = 'some value';`

This has been deprecated for a few reasons.

First, developers have found this pattern confusing. It seems like the actual `ngModel` directive is being used, but in fact it's an input/output property named `ngModel` on the reactive form directive that simply approximates (some of) its behavior. Specifically, it allows getting/settling the value and intercepting value events. However, some of `ngModel`’s other features - like `@input` delaying updates with `ngModelOptions` or exporting the directive - simply don't work.

In addition, this pattern mixes template-driven and reactive forms strategies, which because we generally don't recommend because it doesn't take advantage of the full benefits of either strategy. Setting the value in the template violates the template-agnostic principles behind reactive forms, whereas adding a `FormControl`/`FormGroup` layer in

* the class removes the convenience of defining forms in the template.

@to-update

To update your code before support is removed, you'll want to decide whether to stick with reactive forms (and get/set values using reactive forms patterns) or switch over to template-driven directives.

* After (choice 1 - use reactive forms):

```html
<form [formGroup]='form'>
  <input formControlName='first'>
</form>

```ts

```ts
  this.form.get('first').setValue('some value');
``` 

* After (choice 2 - use template-driven forms):

```html
<input [(ngModel)='value']>

```ts

```ts
  this.value = 'some value';
``` 

By default, when you use this pattern, you will see a deprecation warning once in dev mode. You can choose to silence this warning by providing a config for `ReactiveFormsModule` at import time:

```ts
  imports:
    [ReactiveFormsModule.withConfig({warnOnNgModelWithFormControl: 'never'})]
``` 

Alternatively, you can choose to surface a separate warning for each instance of this pattern with a config value of `'always'`. This may help to track down where in the code the pattern is being used as the code is being updated.

@public-api

@directive

* @selector

[formControlName], providers: [controlNameBinding])

export class FormControlName extends NgControl implements OnChanges, OnDestroy

@description

* @internal

* @view-model

* @internal

**angular @directivens

* @selector

[formControlName], providers: [controlNameBinding])

export class FormControlName extends NgControl implements OnChanges, OnDestroy

@private-added=false

* @description

* @internal

* @view-model

* @angular

/**

@description

* Tracks the `FormControl` instance bound to the directive.

* @Todo(issue/24571): remove `!` from readonly control.

* `FormControl`.

* @description

* Tracks the name of the `FormControl` bound to the directive.

* The name corresponds to a key in the parent `FormGroup` or `FormArray`. An accepts a name as a string or a number.

* The name in the form of a string is useful for individual forms, while the numerical form allows for form controls to be bound to indices when iterating over controls in a `FormArray`.

* The name is a key in the parent `FormGroup` or `FormArray`. An accepts a name as a string or a number.

* `@Input` triggers a warning that this input should not be used with reactive forms.

* `@Input` (disabled)\n
* `set isDisabled(isDisabled: boolean) { ReactiveErrors.disabledAttrWarning(); }`  

* `@Todo(kara): remove next 4 properties once deprecation period is over` @deprecated as of v6 @Input(name)\n
* `@Todo(issue/24571): remove `!` from readonly control`. 

* `@Todo(issue/24571): remove `!` from readonly control`.

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* `@Todo(kara): remove next 4 properties once deprecation period is over` @deprecated as of v6 @Input(name)\n
* `@Todo(issue/24571): remove `!` from readonly control`.

* `@Todo(kara): remove next 4 properties once deprecation period is over`
used to track whether an ngModel warning has been sent out for this particular FormControlName instance. Used to support warning config of `\"always\"`. * @internal * @ngModelWarningSent = false; * @constructor * @Optional() @Host() @SkipSelf() parent: ControlContainer, * @Optional() @Self() * @Inject(NG_VALIDATORS) validators: Array<Validator|ValidatorFn>, * @Optional() @Self() * @Inject(NG_ASYNC_VALIDATORS) asyncValidators: ControlValueAccessor[], * @Optional() @Self() @Inject(NG_VALUE_ACCESSOR) valueAccessors: ControlValueAccessor[], * @Optional() @Self() @Inject(NG_MODEL_WITH_FORM_CONTROL_WARNING) private _ngModelWarningConfig: string | null | null)

```typescript
ngOnChanges(changes: SimpleChanges) {
    if (!this._added) this._setUpControl();
    if (isPropertyUpdated(changes, this.viewModel)) {
      _ngModelWarning('formControlName', FormControlName, this, this._ngModelWarningConfig);
      this.viewModel = this.model;
      this.formDirective.updateModel(this, this.model);
    }
  }

  /**
   * @description
   * Lifecycle method called before the directive's instance is destroyed. For internal use only.
   * @param newValue The new value for the view model.
   * @returns Returns an array that represents the path from the top-level form to this control.
   * Each index is the string name of the control on that level.
   * @path
   * @get(path)
   * @description
   * The top-level directive for this group if present, otherwise null.
   * @formDirective
   * @return
   * @property
   * @get
   * @validator
   * @description
   * Synchronous validator function composed of all the async validators registered with this directive.
   * @asyncValidator
   * @return
   * @property
   * @get
   * @description
   * Returns an array that represents the path from the top-level form to this control.
   * Each index is the string name of the control on that level.
   * @path
   * @get(path)
   * Copyright Google Inc. All Rights Reserved.*
```
control The control to validate against.

* @returns A map of validation errors if validation fails.

otherwise null.
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* @returns A map of validation errors if validation fails.
result if enabled, otherwise null.

```typescript
*/
  validate(control: AbstractControl): ValidationErrors|null {
    return this.required ? Validators.required(control) : null;
  }
}

/**
 * @description
 * Provider which adds `EmailValidator` to the `NG_VALIDATORS` multi-provider list.
 */
export const EMAIL_VALIDATOR: any = {
  provide: NG_VALIDATORS,
  useExisting: forwardRef(() => EmailValidator),
  multi: true,
  * @usageNotes
}

/**
 * A directive that adds the `email` validator to controls marked with the `email` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.
 */
export class EmailValidator implements Validator {
  // TODO(issue/24571):
  private _enabled !: boolean;
  // TODO(issue/24571):
  private _onChange !: () => void;

  /**
   * @description
   * Tracks changes to the email attribute bound to this directive.
   */
  @Input()
  set email(value: boolean|string) {
    this._enabled = value === '' || value === true || value === 'true';
    if (this._onChange) this._onChange();
  }

  /**
   * @description
   * Method that validates whether an email address is valid.
   * Returns the validation result if enabled, otherwise null.
   */
  validate(control: AbstractControl): ValidationErrors|null {
    return this._enabled ? Validators.email(control) : null;
  }

  /**
   * @description
   * Registers a callback function to call when the validator inputs change.
   *
   * @param fn The callback function
   */
  registerOnValidatorChange(fn: () => void): void { this._onChange = fn; }
}

/**
 * A function that receives a control and synchronously returns a map of validation errors if present, otherwise null.
 */
export interface ValidatorFn { (control: AbstractControl): ValidationErrors|null; }

/**
 * A function that receives a control and returns a Promise or observable that emits validation errors if present, otherwise null.
 */
export interface AsyncValidatorFn {
  (control: AbstractControl): Promise<ValidationErrors|null>|Observable<ValidationErrors|null>;
}

/**
 * @description
 * Provider which adds `MinLengthValidator` to the `NG_VALIDATORS` multi-provider list.
 */
export const MIN_LENGTH_VALIDATOR: any = {
  provide: NG_VALIDATORS,
  useExisting: forwardRef(() => MinLengthValidator),
  multi: true,
  * @usageNotes
}

/**
 * A directive that adds minimum length validation to controls marked with the `minlength` attribute. The directive is provided with the `NG_VALIDATORS` multi-provider list.
 */
export class MinLengthValidator implements Validator,
    OnChanges {
  // TODO(issue/24571):
  private _validator !: ValidatorFn;
  // TODO(issue/24571):
  private _onChange !: () => void;

  /**
   * @description
   * Tracks changes to the the minimum length bound to this directive.
   */
  @Input()
  set minlength(value: string | number) {
    if (this._onChange) this._onChange();
    if ('minlength' in changes) {
      this._createValidator();
      if (this._onChange) this._onChange();
    }
  }

  /**
   * @description
   * Method that validates whether the value meets a minimum length requirement.
   * Returns the validation result if enabled, otherwise null.
   */
  validate(control: AbstractControl): ValidationErrors|null {
    return this.minlength == null ? null : this._validator(control);
  }

  /**
   * @description
   * Registers a callback function to call when the validator inputs change.
   */
  registerOnValidatorChange(fn: () => void): void { this._onChange = fn; }
}
callback function

```javascript
function registerOnValidatorChange(fn: () => void): void {
  this.onChange = fn;
}

private _createValidator(): void {
  this.validator = Validators.minLength
  typeof this.minLength === 'number' ?
  this.minLength : parseInt(this.minLength, 10));
  this.validator = Validators.maxLength(
  typeof this.maxLength === 'number' ? this.maxLength : parseInt(this.maxLength, 10));
}

private _createValidator(): void {
  this.validator = Validators.minLength(
  typeof this.minLength === 'number' ?
  this.minLength : parseInt(this.minLength, 10));
  this.validator = Validators.maxLength(
  typeof this.maxLength === 'number' ?
  this.maxLength : parseInt(this.maxLength, 10));
}

private _createValidator(): void {
  this.validator = Validators.minLength(
  typeof this.minLength === 'number' ?
  this.minLength : parseInt(this.minLength, 10));
  this.validator = Validators.maxLength(
  typeof this.maxLength === 'number' ?
  this.maxLength : parseInt(this.maxLength, 10));
}

private _createValidator(): void {
  this.validator = Validators.minLength(
  typeof this.minLength === 'number' ?
  this.minLength : parseInt(this.minLength, 10));
  this.validator = Validators.maxLength(
  typeof this.maxLength === 'number' ?
  this.maxLength : parseInt(this.maxLength, 10));
}
```

The following example shows how to add a maximum length validator to an input attached to an

```html
<html>
  <input type="text" name="firstName" ngModel maxLength="25">
</html>
```
Validators.pattern(this.pattern); }

/**
 * @license
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 * found in the LICENSE file at
 * https://angular.io/license
 */

import {NgModule, Type} from '@angular/core';

import
{CheckboxControlValueAccessor} from './directives/checkbox_value_accessor';
import {DefaultValueAccessor} from './directives/default_value_accessor';
import {NgControlStatus, NgControlStatusGroup} from
'directives/ng_control_status';
import {NgForm} from './directives/ng_form';
import {NgModel} from './directives/ng_model';
import {NgModelGroup} from './directives/ng_model_group';
import {NgNoValidate} from './directives/number_value_accessor';
import {RadioControlValueAccessor} from './directives/radio_control_value_accessor';
import {RangeValueAccessor} from './directives/range_value_accessor';
import {FormControlDirective} from
'directives/reactive_directives/form_control_directive';
import {FormGroupName} from
'directives/reactive_directives/form_group_name';
import {NgSelectOption, SelectControlValueAccessor} from
'directives/select_control_value_accessor';
import {NgSelectMultipleOption, SelectMultipleControlValueAccessor} from
'directives/select_multiple_control_value_accessor';
import {CheckboxRequiredValidator, EmailValidator, MaxLengthValidator, MinLengthValidator, PatternValidator, RequiredValidator} from
'directives/validators';

export {CheckboxControlValueAccessor} from
'./directives/checkbox_value_accessor';
export {ControlValueAccessor} from
'./directives/control_value_accessor';
export {DefaultValueAccessor} from
'./directives/default_value_accessor';
export {NgControl} from './directives/ng_control';
export {NgControlStatus, NgControlStatusGroup} from './directives/ng_control_status';
export {NgForm} from './directives/ng_form';
export {NgModel} from './directives/ng_model';
export {NgModelGroup} from './directives/ng_model_group';
export {NumberValueAccessor} from './directives/number_value_accessor';
export {RadioControlValueAccessor} from './directives/radio_control_value_accessor';
export {RangeValueAccessor} from './directives/range_value_accessor';
export {FormControlDirective, NG_MODEL_WITH_FORM_CONTROL_WARNING} from
'./directives/reactive_directives/form_control_directive';
export {FormControlName} from
'./directives/reactive_directives/form_group_name';
export {FormGroupDirective} from
'./directives/reactive_directives/form_group_directive';
export {FormArrayName, FormGroupName} from
'./directives/reactive_directives/form_group_name';
export {NgSelectOption, SelectControlValueAccessor} from
'./directives/select_control_value_accessor';
export {NgSelectMultipleOption, SelectMultipleControlValueAccessor} from
'./directives/select_multiple_control_value_accessor';

export const SHARED_FORM_DIRECTIVES: Type<any>[] = [
  NgNoValidate,
  NgSelectOption, SelectControlValueAccessor,
  CheckboxControlValueAccessor,
  SelectControlValueAccessor,
  SelectMultipleControlValueAccessor,
  RadioControlValueAccessor,
];

export const TEMPLATE_DRIVEN_DIRECTIVES: Type<any>[] = [NgModel,
  NgModelGroup, NgForm];

export const REACTIVE_DRIVEN_DIRECTIVES: Type<any>[] =
[FormControlDirective, FormGroupDirective, FormControlName, FormGroupName, FormArrayName];

/**
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 * found in the LICENSE file at
 * https://angular.io/license
 */

import {Injectable} from '@angular/core';

import

import { AbstractControl, AbstractControlOptions, FormArray, FormControl, FormGroup, FormHooks } from './model';

function isAbstractControlOptions(options: AbstractControlOptions | { [key: string]: any }):
    options is AbstractControlOptions {
    return (<AbstractControlOptions>options).validators !== undefined ||
    (<AbstractControlOptions>options).asyncValidators !== undefined;
}

export class FormBuilder {
  constructor() {
    this._reduceControls = this._reduceControls.bind(this);
  }

  group(controlsConfig: { [key: string]: any }, options?: AbstractControlOptions | { [key: string]: any } | null = null): FormGroup {
    const controls = this._reduceControls(controlsConfig);
    let validators = options && options.validators ? options.validators : null;
    let asyncValidators = options && options.asyncValidators ? options.asyncValidators : null;

    return new FormGroup(controls, { asyncValidators, updateOn, validators });
  }

  control(formState: any, validatorOrOpts?: ValidatorFn | ValidatorFn[] | AbstractControlOptions | null, asyncValidator?: AsyncValidatorFn | AsyncValidatorFn[] | null): FormControl {
    return new FormControl(formState, validatorOrOpts, asyncValidator);
  }

  array(controlsConfig: any[], validatorOrOpts?: ValidatorFn | ValidatorFn[] | AbstractControlOptions | null, asyncValidator?: AsyncValidatorFn | AsyncValidatorFn[] | null): FormArray {
    const controls = controlsConfig.map(c => this._createControl(c));
    return new FormArray(controls, validatorOrOpts, asyncValidator);
  }

  _reduceControls(controlsConfig: { [k: string]: any }): { [key: string]: AbstractControl } {
    const
controls: {[key: string]: AbstractControl} = {}
Object.keys(controlsConfig).forEach(controlName => {
  controls[controlName] = this._createControl(controlsConfig[controlName]);
 });
return controls;
/**
@internal */
return controlConfig;
else if (Array.isArray(controlConfig)) {
  const value = controlConfig[0];
  const validator: ValidatorFn = controlConfig.length > 1 ? controlConfig[1] : null;
  const asyncValidator:
  return this.createControl(value, validator, asyncValidator);
}
}

/**
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 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

/**
 * @module
 * @description
 * Entry point for all public APIs of the common package.
 */

import {Version} from '@angular/core';

/**
 * @publicApi
 */
export const VERSION = new Version('9.0.7');

/**
 * @license
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 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

import {ModuleWithProviders, NgModule} from '@angular/core';

import {InternalFormsSharedModule, NG_MODEL_WITH_FORM_CONTROL_WARNING, REACTIVE_DRIVEN_DIRECTIVES, TEMPLATE_DRIVEN_DIRECTIVES} from './directives';
import {RadioControlRegistry} from './directives/radio_control_value_accessor';
import {FormBuilder} from './form_builder';

/**
 * Exports the required infrastructure and directives for reactive forms,
 * making them available for import by NgModules that import this module.
 * @see 
 * [Reactive Forms Guide](/guide/reactive-forms)
 *
 * @publicApi
 */
@NgModule({
  declarations: [REACTIVE_DRIVEN_DIRECTIVES],
  providers: [FormBuilder, RadioControlRegistry],
  exports: [InternalFormsSharedModule, REACTIVE_DRIVEN_DIRECTIVES]
})
export class ReactiveFormsModule {
  /**
   * @description
   *
   * Provides options for configuring the reactive forms module.
   *
   * @param opts An object of configuration options
   * * `warnOnNgModelWithFormControl` Configures when to emit a warning when an `ngModel`
   * binding is used with reactive form directives.
   */
  static withConfig(opts: {
    /** @deprecated as of v6 */
    warnOnNgModelWithFormControl: 'never' | 'once' | 'always'
  }): ModuleWithProviders<ReactiveFormsModule> {
    return {
      ngModule: ReactiveFormsModule,
      providers: [{
        provide: NG_MODEL_WITH_FORM_CONTROL_WARNING,
        useValue: opts.warnOnNgModelWithFormControl
      }]
    };
  }
}

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/**
 * @module
 * @description
 * This module is used for handling user input, by defining and building a
 * `FormGroup` that
 * consists of `FormControl` objects, and mapping them onto the DOM. `FormControl`
 *
 * Forms providers are not included
 * in default providers; you must import these providers
 * explicitly.
 */

export {ɵInternalFormsSharedModule} from './directives';
export {AbstractControlDirective} from './directives/abstract_control_directive';
export {AbstractFormGroupDirective} from './directives/abstract_form_group_directive';
export {CheckboxControlValueAccessor} from './directives/checkbox_value_accessor';
export {ControlContainer} from './directives/control_container';
export {ControlValueAccessor, NG_VALUE_ACCESSOR} from './directives/control_value_accessor';
export {COMPOSITION_BUFFER_MODE, DefaultValueAccessor} from './directives/default_value_accessor';
export {Form} from './directives/form_interface';
export {NgControl, NgControlStatus, NgControlStatusGroup} from './directives/ng_control';
export {NgControlStatus, NgControlStatusGroup} from './directives/ng_control_status';
export {NgForm} from './directives/ng_form';
export {NgModel} from './directives/ng_model';
export {NgModelGroup} from './directives/ng_model_group';

import {InjectionToken, forwardRef, Directive, Renderer2, ElementRef, getDOM, Optional, Inject, Self, forkJoin, map, isPromise, Injectable, Input, Injector, Examples, looseIdentical, Host, _buildValueString, _extractId, isDevMode, EventEmitter, SkipSelf, resolvedPromise, Output, formControlBinding, formDirectiveProvider, NgNoValidate, NgSelectMultipleOption, NgModule, Version, InternalFormsSharedModule} from '@angular/core';

export {ɵangular_packages_forms_forms_u as formArrayNameProvider, ɵangular_packages_forms_forms_v as formGroupNameProvider} from '@angular/forms';

export {SELECT_VALUE_ACCESSOR as ɵangular_packages_forms_forms_z} from './src/directives/reactive_directives/form_group_directive';
export {NgSelectMultipleOption as ɵangular_packages_forms_forms_x, SELECT_MULTIPLE_VALUE_ACCESSOR as ɵangular_packages_forms_forms_w} from './src/directives/select_control_value_accessor';
export {CHECKBOX_REQUIRED_VALIDATOR as ɵangular_packages_forms_forms_ba, EMAIL_VALIDATOR as ɵangular_packages_forms_forms_bb, MAX_LENGTH_VALIDATOR as ɵangular_packages_forms_forms_bc, PATTERN_VALIDATOR as ɵangular_packages_forms_forms_be, REQUIRED_VALIDATOR as ɵangular_packages_forms_forms_z} from './src/directives/validators';

"./src/directives/reactive_directives/form_group_directive"; export {formArrayNameProvider as ɵangular_packages_forms_forms_u, formGroupNameProvider as ɵangular_packages_forms_forms_v} from "./src/directives/reactive_directives/form_group_name"; export {SELECT_VALUE_ACCESSOR as ɵangular_packages_forms_forms_z} from "./src/directives/reactive_directives/form_group_directive"; export {NgSelectMultipleOption as ɵangular_packages_forms_forms_x, SELECT_MULTIPLE_VALUE_ACCESSOR as ɵangular_packages_forms_forms_w} from "./src/directives/select_control_value_accessor"; export {CHECKBOX_REQUIRED_VALIDATOR as ɵangular_packages_forms_forms_ba, EMAIL_VALIDATOR as ɵangular_packages_forms_forms_bb, MAX_LENGTH_VALIDATOR as ɵangular_packages_forms_forms_bc, PATTERN_VALIDATOR as ɵangular_packages_forms_forms_be, REQUIRED_VALIDATOR as ɵangular_packages_forms_forms_z} from "./src/directives/validators";},
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DvBjB,eAAU,EAAE;WACA,WAAW,CA2HvB;QAAD,kBAAC;KA3HD;;ICjCA;:::;AAQA,IAQA;:::;AAGA,QA Aa,OAaO,GAAG,IAAlkB,YAAO,CAAC,mBAAmB,CAAC,:IChvD;:::;IAcA;:::;AaA:A;QAAA;SACC;QAD Y,WAAW;YALvBD,aAAQ,CAAC:gBACR,YAYX,EAAE,0BA0B;gBAyxC,SAAS,EAAE,CAAC,0BAa0B,CA AC;gBACjC,OAAO,EAAE,CAAXE,0BAYB,EAAE,0BAa0B,CAAC:aACjE,CAAC;WACW,WAAW,CAACvB;QA AD,kBAAC;KADD,IAAC;iAED;:::;AaCA;QAaA:SAAoBC,gCApBY,mBAAmB;:::;QASvB,8BAAU,GAAj B,UAAkB,IAejB,YACC,OAAdO,gBACL,QAAQ,EAAE,qBAAmB;gBAyC7B,SAAS,EAAE,CAAC;wBACV,OAAd O,EAAE,kCAAC;wBAC3C,QAAR,EAAE,IAAI,CAAC,4BAA4B;qBAC5C,CAAC:aACH,CAAC;SAAS;QAaBU, mBAAmB,YALvBD,aAAQ,CAAC:gBACR,YAYX,EAAE,CAAC,0BA0B,CAAC:gBAC1C,SAAS,EAAE,CAAC, WAAW,EAAE,0BAa0B,CAAC:gBAC9C,OAAdO,EAAE,CAAXE,0BAAyB,EAAE,0BAa0B,CAAC:aACjE,CAAC;WACW, mBAAmB,CAoB/B;QAAD,0BAAC;KApBD;:IC5CA;:::;OAMG;:ICNH;:::;AAQA,IAOA,0EAaOE;:I C1E;:::;OAMG;:ICNH;:OAEG;******************************************************************************************

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* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/src/directives/abstract_control_directive.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/reactive_directives/form_control_directive.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/select_multiple_control_value_accessor.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/src/directives/control_container.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/index.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/template_driven_errors.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/src/directives/range_value_accessor.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/ng_control.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/ng_model.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/error_examples.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/index.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/src/directives/control_value_accessor.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm5/src/directives/template_driven_errors.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/src/directives/reactive_directives/form_group_name.js
* /opt/ws_local/PERMITS_SQL/1047774271_1590610393.22/0/forms-9-0-7-tgz/package/esm2015/src/directives/radio_control_value_accessor.js
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1.15 spring-kafka 2.3.5

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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/listener/adapter/RetryingMessageListenerAdapter.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/support/converter/KafkaMessageHeaders.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/annotation/TopicPartition.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/config/KafkaListenerConfigUtils.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/config/MultiMethodKafkaListenerEndpoint.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/listener/adapter/FilteringBatchMessageListenerAdapter.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/support/converter/MessagingMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/listener/BatchLoggingErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/listener/adapter/BatchMessagingMessageListenerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7.0/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/support/serializer/StringOrBytesSerializer.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7.0/spring-kafka-2-3-5-release-sources-jar/org/springframework/support/JsonMessageConverter.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/support/producer/FailedDeserializationInfo.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/support/ProducerListenerAdapter.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/listener/BatchErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/listener/adapter/HandlerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
  jar/org/springframework/kafka/listener/AcknowledgingMessageListener.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
  jar/org/springframework/kafka/support/serializer/JsonDeserializer.java
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  jar/org/springframework/kafka/core/KafkaOperations.java
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  jar/org/springframework/kafka/listener/ErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
  jar/org/springframework/kafka/listener/LoggingErrorHandler.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
  jar/org/springframework/kafka/support/KafkaHeaderMapper.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
  jar/org/springframework/kafka/listener/BatchAcknowledgingConsumerAwareMessageListener.java
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  jar/org/springframework/kafka/listener/ListenerUtils.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
  jar/org/springframework/kafka/listener/ConsumerAwareErrorHandler.java
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  jar/org/springframework/kafka/support/converter/Jackson2JavaTypeMapper.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/listener/ContainerAwareBatchErrorHandler.java
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jar/org/springframework/kafka/security/jaas/KafkaJaasLoginModuleInitializer.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/CompositeProducerListener.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/ConsumerFailedToStartEvent.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/converter/BytesJsonMessageConverter.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/ReplyingKafkaOperations.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/ReplyHeadersConfigurer.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/serializer/DeserializationException.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/SimpleKafkaHeaderMapper.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/KafkaUtils.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/LogIfLevelEnabled.java
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jar/org/springframework/kafka/listener/adapter/ReplyHeadersConfigurer.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/serializer/DeserializationException.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/SimpleKafkaHeaderMapper.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.7/0/spring-kafka-2-3-5-release-sources-
jar/org/springframework/kafka/support/CorrelationKey.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/config/AbstractKafkaListenerEndpoint.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/annotation/KafkaListenerAnnotationBeanPostProcessor.java
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* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/support/KafkaHeaders.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/config/KafkaListenerEndpointRegistrar.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/config/AbstractKafkaListenerContainerFactory.java
* /opt/ws_local/PERMITS_SQL/1033178477_1591433486.70/spring-kafka-2-3-5-release-sources-jar/org/springframework/kafka/config/KafkaListenerEndpointRegistry.java

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1.16 coreutils 8.29

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1.17 grub 2.02

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1.20 jaxb-runtime 2.3.1

1.21 javascript-state-machine 3.1.0

1.21.1 Available under license :


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1.22 spring-plugin-core 1.2.0
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etcd="/etc/rc"
notreally=0
force=0
dostart=0
verbose=0

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{
  cat >&2 <<EOF
  update-rc.d [-n] [-r <root>] [-s] <basename> defaults [NN | sNN kNN]
  update-rc.d [-n] [-r <root>] [-s] <basename> start|stop NN runlvl1 [runlvl1] [...
  -n: not really
EOF

}
-f: force
-v: verbose
-r: alternate root path (default is /)
-s: invoke start methods if appropriate to current runlevel

EOF

checklinks()
{
local i dn fn remove=0
if [ "x$1" = "xremove" ]; then
    echo " Removing any system startup links for $bn ..."
    remove=1
fi

for i in 0 1 2 3 4 5 6 7 8 9 S; do
dn="${etcd}S{i}.d"
if [ ! -d $dn ]; then
    continue;
fi
for f in ${dn}/[SK]??${bn}; do
    if [ -L $f ]; then
        if [ $remove -eq 0 ]; then
            return 1
        fi
        echo " $f"
        if [ $notreally -eq 1 ]; then
            continue
        fi
        rm $f
    fi
done
done

return 0
}
dolink()
{
startstop=$1
lev=`echo $2 | cut -d/ -f1`
nn=`echo $2 | cut -d/ -f2`
fn="${etcd}$/lev.d/$startstop$nn$bn"
[ $verbose -eq 1 ] && echo " $fn -> ../init.d/$bn"
if [ $notreally -eq 1 ]; then
    mkdir -p `dirname $fn`
    ln -s ../init.d/$bn $fn
fi
if [ $dostart -eq 1 ] && [ $startstop = "S" ] && [ $lev = $RUNLEVEL ]; then
$fn start || true
fi
}

makelinks()
{
if ! checklinks; then
echo " System startup links for $initd/$bn already exist."
if [ $dostart -eq 1 ] && [ $notreally -eq 0 ] && [ -L ${etcd}${RUNLEVEL}.d/S??${bn} ]; then
${etcd}${RUNLEVEL}.d/S??${bn} restart || true
fi
exit 0
fi

echo " Adding system startup for $initd/$bn."

for i in $startlinks; do
dolink S $i
done
for i in $stoplinks; do
dolink K $i
done
}

while [ $# -gt 0 ]; do
case $1 in
-n)notreally=1
shift
continue
;;
-v)verbose=1
shift
continue
;;
-f)force=1
shift
continue
;;
-s)dostart=1
shift
continue
;;
-r) shift
root=$1
initd="${root}$initd"
etchd="${root}$etchd"
shift
if [ $# -lt 2 ]; then
usage
exit 1
fi

bn=$1
shift

sn=$initd/$bn
if [ -L "$sn" -a -n "$root" ]; then
if which readlink >/dev/null; then
while true; do
linksn="$(readlink "$sn")"
if [ -z "$linksn" ]; then
break
fi
sn="$linksn"
case "$sn" in
/)
   sn="$root$sn" ;;
*)
   sn="$initd/$sn" ;;
esac
done
else
echo "update-rc.d: readlink tool not present, cannot check whether \ $sn symlink points to a valid file." >&2
fi
fi

if [ $1 != "remove" ]; then
if [ ! -f "$sn" ]; then
echo "update-rc.d: $initd/$bn: file does not exist" >&2
exit 1
fi
if 

else

if [ -f "$sn" ]; then
if $force -eq 1 ]; then
  echo "update-rc.d: Sinitd/$bn exists during rc.d purge (continuing)" >&2
else
  echo "update-rc.d: Sinitd/$bn exists during rc.d purge (use -f to force)" >&2
fi
fi

if [ $dostart -eq 1 ]; then
  RUNLEVEL=`runlevel | cut -d " " -f2`
  if [ "$RUNLEVEL" = "x" ]; then
    echo "Unable to determine current runlevel" >&2
  fi
fi

  if [ $# -gt 2 ]; then
    start=$2
    stop=$2
  fi
fi

  fi
fi

  case $1 in
    remove)
      checklinks "remove"
    ;;
    defaults)
      if [ $# -gt 3 ]; then
        echo "defaults takes only one or two arguments" >&2
        usage
        exit 1
      fi
      start=20
      stop=20
      if [ $# -gt 1 ]; then
        start=$2
        stop=$2
      fi
      if [ $# -gt 2 ]; then
        stop=$3
      fi
      start='printf %02d $start'
      stop='printf %02d $stop'
      stoplinks="0/$stop 1/$stop 6/$stop"
      startlinks="2/$start 3/$start 4/$start 5/$start"
      makelinks
    ;
start | stop
while [ $# -gt 0 ]; do
if [ $1 = "start" ]; then
letter=S
elif [ $1 = "stop" ]; then
letter=K
else
    echo "expected start or stop" >&2
    usage
    exit 1
fi
shift
NN=`printf %02d $(expr $1 + 0)`
shift
while [ "x$1" != "x." ]; do
    if [ $# -eq 0 ]; then
        echo "action with list of runlevels not terminated by \." >&2
        exit 1
    fi
    level=$1
    shift
case $letter in
S) startlinks="$startlinks $level/$NN" ;;
K) stoplinks="$stoplinks $level/$NN" ;;
esac
done
shift
done
makelinks
;;
*)
usage
exit 1
;;
esac

1.33 core-module 1.2.3

1.34 websocket-servlet 9.4.26.v20200117
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html
org.ow2.asm:asm-commons
org.ow2.asm:asm

------
Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------
MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.35 pam-tacplus 1.3.8

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Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard libraries that accompany the operating system on which the executable file runs, or for standard header files or definitions files that accompany that operating system.
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Appendix: How to Apply These Terms to Your New Programs

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

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   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

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This option is useful when you wish to copy part of the code of
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   If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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Last modified: Jan 5, 2004
/* Getopt for GNU.
NOTE: gnu_getopt is now part of the C library, so if you don't know what
"Keep this file name-space clean" means, talk to roland@gnu.ai.mit.edu
before changing it!

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write to the Free Software Foundation, Inc., 59 Temple Place - Suite 330,
Boston, MA 02111-1307, USA. */

/**
 * modified July 9, 1999 by mark gates <mgates@nlanr.net>
 *     Dec 17, 1999
 *
 * renamed all functions and variables by prepending "gnu_
 * removed/redi a bunch of stuff under the assumption we're
 * using a modern standard C compiler.
 * add #include <string.h> here for strncmp(). Originally
 * it was included only under special conditions.
 *
 $Id: gnu_getopt.c,v 1.1.1.1 2004/05/18 01:50:44 kgibbs Exp $
 */

#include <stdio.h>
#include <stdlib.h>
#ifndef _MSC_VER /* Visual C++ doesn't have unistd.h */
    #include <unistd.h>
#endif
#include <string.h>
/* This is for other GNU distributions with internationalized messages.
   When compiling libc, the _ macro is predefined. */
#ifdef HAVE_LIBINTL_H
   #include <libintl.h>
   #define _(msgid) gettext (msgid)
#else
   #define _(msgid) (msgid)
#endif
#endif

/* This version of `gnu_getopt' appears to the caller like standard
   Unix `getopt' but it behaves differently for the user, since it
   allows the user to intersperse the options with the other
   arguments.

   As `gnu_getopt' works, it permutes the elements of ARGV so that,
   when it is done, all the options precede everything else. Thus
   all application programs are extended to handle flexible argument order.

   Setting the environment variable POSIXLY_CORRECT disables permutation.
   Then the behavior is completely standard.

   GNU application programs can use a third alternative mode in which
   they can distinguish the relative order of options and other arguments. */

#include "gnu_getopt.h"

#ifdef __cplusplus
extern "C" {
#endif

/* For communication from `gnu_getopt' to the caller.
   When `gnu_getopt' finds an option that takes an argument,
   the argument value is returned here.
   Also, when `ordering' is RETURN_IN_ORDER,
   each non-option ARGV-element is returned here. */

char *gnu_optarg = NULL;

/* Index in ARGV of the next element to be scanned.
   This is used for communication to and from the caller
   and for communication between successive calls to `gnu_getopt'.

   On entry to `gnu_getopt', zero means this is the first call; initialize.

   When `gnu_getopt' returns -1, this is the index of the first of the
   non-option elements that the caller should itself scan.*/
Otherwise, `gnu_optind' communicates from one call to the next
how much of ARGV has been scanned so far. */

/* 1003.2 says this must be 1 before any call. */
int gnu_optind = 1;

/* Formerly, initialization of gnu_getopt depended on gnu_optind==0, which
causes problems with re-calling gnu_getopt as programs generally don't
know that. */
int __gnu_getopt_initialized = 0;

/* The next char to be scanned in the option-element
in which the last option character we returned was found.
This allows us to pick up the scan where we left off.

If this is zero, or a null string, it means resume the scan
by advancing to the next ARGV-element. */
static char *nextchar;

/* Callers store zero here to inhibit the error message
for unrecognized options. */
int gnu_opterr = 1;

/* Set to an option character which was unrecognized.
This must be initialized on some systems to avoid linking in the
system's own gnu_getopt implementation. */
int gnu_optopt = '?';

/* Describe how to deal with options that follow non-option ARGV-elements.

If the caller did not specify anything,
the default is REQUIRE_ORDER if the environment variable
POSIXLY_CORRECT is defined, PERMUTE otherwise.

REQUIRE_ORDER means don't recognize them as options;
stop option processing when the first non-option is seen.
This is what Unix does.
This mode of operation is selected by either setting the environment
variable POSIXLY_CORRECT, or using `+' as the first character
of the list of option characters.

PERMUTE is the default. We permute the contents of ARGV as we scan,
so that eventually all the non-options are at the end. This allows options
to be given in any order, even with programs that were not written to expect this.

RETURN_IN_ORDER is an option available to programs that were written to expect options and other ARGV-elements in any order and that care about the ordering of the two. We describe each non-option ARGV-element as if it were the argument of an option with character code 1. Using `-' as the first character of the list of option characters selects this mode of operation.

The special argument `--' forces an end of option-scanning regardless of the value of `ordering'. In the case of RETURN_IN_ORDER, only `--' can cause `gnu_getopt' to return -1 with `gnu_optind' != ARGC.

```c
static enum {
  REQUIRE_ORDER, PERMUTE, RETURN_IN_ORDER
} ordering;
/* Value of POSIXLY_CORRECT environment variable. */
static char *posixly_correct;
/* Avoid depending on library functions or files whose names are inconsistent. */
static char *
my_index( const char* str, int chr ) {
  while ( *str ) {
    if ( *str == chr )
      return(char *) str;
    str++;
  }
  return 0;
}
/* Handle permutation of arguments. */
/* Describe the part of ARGV that contains non-options that have been skipped. `first_nonopt' is the index in ARGV of the first of them; `last_nonopt' is the index after the last of them. */
static int first_nonopt;
static int last_nonopt;
/* Exchange two adjacent subsequences of ARGV.
One subsequence is elements [first_nonopt, last_nonopt) which contains all the non-options that have been skipped so far.*/
The other is elements [last_nonopt, gnu_optind), which contains all the options processed since those non-options were skipped.

`first_nonopt' and `last_nonopt' are relocated so that they describe the new indices of the non-options in ARGV after they are moved. */

static void exchange( char **argv );

static void
exchange( char **argv ) {
    int bottom = first_nonopt;
    int middle = last_nonopt;
    int top = gnu_optind;
    char *tem;

    /* Exchange the shorter segment with the far end of the longer segment. That puts the shorter segment into the right place. It leaves the longer segment in the right place overall, but it consists of two parts that need to be swapped next. */

    while ( top > middle && middle > bottom ) {
        if ( top - middle > middle - bottom ) {
            /* Bottom segment is the short one. */
            int len = middle - bottom;
            register int i;

            /* Swap it with the top part of the top segment. */
            for ( i = 0; i < len; i++ ) {
                tem = argv[bottom + i];
                argv[bottom + i] = argv[top - (middle - bottom) + i];
                argv[top - (middle - bottom) + i] = tem;
            }
            /* Exclude the moved bottom segment from further swapping. */
            top -= len;
        } else {
            /* Top segment is the short one. */
            int len = top - middle;
            register int i;

            /* Swap it with the bottom part of the bottom segment. */
            for ( i = 0; i < len; i++ ) {
                tem = argv[bottom + i];
                argv[bottom + i] = argv[middle + i];
                argv[middle + i] = tem;
            }
            /* Exclude the moved top segment from further swapping. */
            bottom += len;
        }
    }
}
/* Update records for the slots the non-options now occupy. */

first_nonopt += (gnu_optind - last_nonopt);
last_nonopt = gnu_optind;

/* Initialize the internal data when the first call is made. */

static const char *
_gnu_getopt_initialize( int argc,
  char *const * argv,
  const char *optstring );

static const char *
_gnu_getopt_initialize( int argc,
  char *const * argv,
  const char *optstring ) {
/* Start processing options with ARGV-element 1 (since ARGV-element 0
   is the program name); the sequence of previously skipped
   non-option ARGV-elements is empty. */

first_nonopt = last_nonopt = gnu_optind = 1;

nextchar = NULL;

posixly_correct = getenv("POSIXLY_CORRECT");

/* Determine how to handle the ordering of options and nonoptions. */

if ( optstring[0] == '-' ) {
  ordering = RETURN_IN_ORDER;
  ++optstring;
} else if ( optstring[0] == '+' ) {
  ordering = REQUIRE_ORDER;
  ++optstring;
} else if ( posixly_correct != NULL )
  ordering = REQUIRE_ORDER;
else
ordering = PERMUTE;

return optstring;

/* Scan elements of ARGV (whose length is ARGC) for option characters
given in OPTSTRING. */
If an element of ARGV starts with `-', and is not exactly "-" or "--",
then it is an option element. The characters of this element
(aside from the initial `-) are option characters. If `gnu_getopt'
is called repeatedly, it returns successively each of the option characters
from each of the option elements.

If `gnu_getopt' finds another option character, it returns that character,
updating `gnu_optind' and `nextchar' so that the next call to `gnu_getopt' can
resume the scan with the following option character or ARGV-element.

If there are no more option characters, `gnu_getopt' returns -I.
Then `gnu_optind' is the index in ARGV of the first ARGV-element
that is not an option. (The ARGV-elements have been permuted
so that those that are not options now come last.)

OPTSTRING is a string containing the legitimate option characters.
If an option character is seen that is not listed in OPTSTRING,
return `?' after printing an error message. If you set `gnu_opterr' to
zero, the error message is suppressed but we still return `?'.

If a char in OPTSTRING is followed by a colon, that means it wants an arg,
so the following text in the same ARGV-element, or the text of the following
ARGV-element, is returned in `gnu_optarg'. Two colons mean an option that
wants an optional arg; if there is text in the current ARGV-element,
it is returned in `gnu_optarg', otherwise `gnu_optarg' is set to zero.

If OPTSTRING starts with `-' or `+', it requests different methods of
handling the non-option ARGV-elements.
See the comments about RETURN_IN_ORDER and REQUIRE_ORDER, above.

Long-named options begin with `--' instead of `-'.
Their names may be abbreviated as long as the abbreviation is unique
or is an exact match for some defined option. If they have an
argument, it follows the option name in the same ARGV-element, separated
from the option name by a `=', or else the in next ARGV-element.
When `gnu_getopt' finds a long-named option, it returns 0 if that option's
`flag' field is nonzero, the value of the option's `val' field
if the `flag' field is zero.

The elements of ARGV aren't really const, because we permute them.
But we pretend they're const in the prototype to be compatible
with other systems.

LONGOPTS is a vector of `struct option' terminated by an
element containing a name which is zero.

LONGIND returns the index in LONGOPT of the long-named option found.
It is only valid when a long-named option has been found by the most
recent call.
If LONG_ONLY is nonzero, '-' as well as '--' can introduce
long-named options. */
int
_gnu_getopt_internal( int argc,
char *const *argv,
const char *optstring,
const struct option *longopts,
int *longind,
int long_only ) {
gnu_optarg = NULL;
if ( !__gnu_getopt_initialized || gnu_optind == 0 ) {
optstring = _gnu_getopt_initialize (argc, argv, optstring);
gnu_optind = 1;
/* Don't scan ARGV[0], the program name. */
__gnu_getopt_initialized = 1;
}
/* Test whether ARGV[gnu_optind] points to a non-option argument.
Either it does not have option syntax, or there is an environment flag
from the shell indicating it is not an option. The later information
is only used when the used in the GNU libc. */
#define NONOPTION_P (argv[gnu_optind][0] != '-' || argv[gnu_optind][1] == '\0')
if ( nextchar == NULL || *nextchar == '\0' ) {
/* Advance to the next ARGV-element. */
/* Give FIRST_NONOPT & LAST_NONOPT rational values if OPTIND has been
moved back by the user (who may also have changed the arguments). */
if ( last_nonopt > gnu_optind )
last_nonopt = gnu_optind;
if ( first_nonopt > gnu_optind )
first_nonopt = gnu_optind;
if ( ordering == PERMUTE ) {
/* If we have just processed some options following some non-options,
exchange them so that the options come first. */
if ( first_nonopt != last_nonopt && last_nonopt != gnu_optind )
exchange ((char **) argv);
else if ( last_nonopt != gnu_optind )
first_nonopt = gnu_optind;
/* Skip any additional non-options
and extend the range of non-options previously skipped. */

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while ( gnu_optind < argc && NONOPTION_P )
    gnu_optind++;
last_nonopt = gnu_optind;
}
/* The special ARGV-element `--' means premature end of options.
Skip it like a null option,
then exchange with previous non-options as if it were an option,
then skip everything else like a non-option. */
if ( gnu_optind != argc && !strcmp (argv[gnu_optind], "--") ) {
    gnu_optind++;

    if ( first_nonopt != last_nonopt && last_nonopt != gnu_optind )
        exchange ((char **) argv);
    else if ( first_nonopt == last_nonopt )
        first_nonopt = gnu_optind;
    last_nonopt = argc;
    gnu_optind = argc;
}

/* If we have done all the ARGV-elements, stop the scan
and back over any non-options that we skipped and permuted. */
if ( gnu_optind == argc ) {
    /* Set the next-arg-index to point at the non-options
that we previously skipped, so the caller will digest them. */
    if ( first_nonopt != last_nonopt )
        gnu_optind = first_nonopt;
    return -1;
}

/* If we have come to a non-option and did not permute it,
either stop the scan or describe it to the caller and pass it by. */
if ( NONOPTION_P ) {
    if ( ordering == REQUIRE_ORDER )
        return -1;
    gnu_optarg = argv[gnu_optind++];
    return 1;
}

/* We have found another option-ARGV-element.
Skip the initial punctuation. */
nextchar = (argv[gnu_optind]) + 1
+ (longopts != NULL && argv[gnu_optind][1] == '-'));
}

/* Decode the current option-ARGV-element. */

/* Check whether the ARGV-element is a long option. */

if (longopts != NULL && (argv[gnu_optind][1] == '-' || (long_only && (argv[gnu_optind][2] || !my_index(optstring, argv[gnu_optind][1]))))) {
    char *nameend;
    const struct option *p;
    const struct option *pfound = NULL;
    int exact = 0;
    int ambig = 0;
    int indfound = -1;
    int option_index;

    for (nameend = nextchar; *nameend && *nameend != '='; nameend++) /* Do nothing. */
        ;

    /* Test all long options for either exact match or abbreviated matches. */
    for (p = longopts, option_index = 0; p->name; p++, option_index++)
        if (!strncmp(p->name, nextchar, nameend - nextchar)) {
            if ((unsigned int)(nameend - nextchar) == (unsigned int)strlen(p->name)) {
                /* Exact match found. */
                pfound = p;
                indfound = option_index;
                exact = 1;
                break;
            } else if (pfound == NULL) {
                /* First nonexact match found. */
                pfound = p;
                indfound = option_index;
            } else
                /* Abbreviated match found. */
                break;
        }
}
/* Second or later nonexact match found. */
ambig = 1;
}
if ( ambig && !exact ) {
if ( gnu_opterr )
fprintf (stderr, _("%s: option `%s' is ambiguous\n"),
argv[0], argv[gnu_optind]);
nextchar += strlen (nextchar);
gnu_optind++;
gnu_optopt = 0;
return '?';
}
if ( pfound != NULL ) {
option_index = indfound;
gnu_optind++;
if ( *nameend ) {
/* Don't test has_arg with >, because some C compilers don't
allow it to be used on enums. */
if ( pfound->has_arg )
gnu_optarg = nameend + 1;
else {
if ( gnu_opterr ) {
if ( argv[gnu_optind - 1][1] == '-' ) {
/* --option */
fprintf (stderr,
_("%s: option `--%s' doesn't allow an argument\n"),
argv[0], pfound->name);
} else {
/* +option or -option */
fprintf (stderr,
_("%s: option `%c%s' doesn't allow an argument\n"),
argv[0], argv[gnu_optind - 1][0], pfound->name);
}
}
nextchar += strlen (nextchar);
gnu_optopt = pfound->val;
return '?';
}
} else if ( pfound->has_arg == 1 ) {
if ( gnu_optind < argc )
gnu_optarg = argv[gnu_optind++];
else {
if ( gnu_opterr )
fprintf (stderr,

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(_("%s: option `%s' requires an argument\n"),
    argv[0], argv[gnu_optind - 1]);

nextchar += strlen (nextchar);
gnu_optopt = pfound->val;
return optstring[0] == ':' ? ':' : '?';
}
}

nextchar += strlen (nextchar);
if ( longind != NULL )
    *longind = option_index;
if ( pfound->flag ) {
    *(pfound->flag) = pfound->val;
    return 0;
}
return pfound->val;
}

/* Can't find it as a long option. If this is not gnu_getopt_long_only,
or the option starts with '-' or is not a valid short option, then it's an error.
Otherwise interpret it as a short option. */
if ( !long_only || argv[gnu_optind][1] == '-'
    || my_index (optstring, *nextchar) == NULL ) {
    if ( gnu_opterr ) {
        if ( argv[gnu_optind][1] == '-' )
            /* --option */
            fprintf (stderr, _("%s: unrecognized option `--%s'
"),
                argv[0], nextchar);
        else
            /* +option or -option */
            fprintf (stderr, _("%s: unrecognized option `%c%s'
"),
                argv[0], argv[gnu_optind][0], nextchar);
    }
    nextchar = (char *) "";
    gnu_optind++;
    gnu_optopt = 0;
    return '?';
}

/* Look at and handle the next short option-character. */
{
    char c = *nextchar++;
    char *temp = my_index (optstring, c);

    /* Increment 'gnu_optind' when we start to process its last character. */
    if ( *nextchar == '\0' )
++gnu_optind;
if ( temp == NULL || c == ':' ) {
if ( gnu_opterr ) {
if ( posixly_correct )
/* 1003.2 specifies the format of this message. */
fprintf (stderr, _("%s: illegal option -- %c\n"),
argv[0], c);
else
fprintf (stderr, _("%s: invalid option -- %c\n"),
argv[0], c);
}
gnu_optopt = c;
return '?';
}
/* Convenience. Treat POSIX -W foo same as long option --foo */
if ( temp[0] == 'W' && temp[1] == ';' ) {
char *nameend;
const struct option *p;
const struct option *pfound = NULL;
int exact = 0;
int ambig = 0;
int indfound = 0;
int option_index;
/* This is an option that requires an argument. */
if ( *nextchar != '\0' ) {
gnu_optarg = nextchar;
/* If we end this ARGV-element by taking the rest as an arg,
we must advance to the next element now. */
gnu_optind++;
} else if ( gnu_optind == argc ) {
if ( gnu_opterr ) {
/* 1003.2 specifies the format of this message. */
fprintf (stderr, _("%s: option requires an argument -- %c\n"),
argv[0], c);
}
gnu_optopt = c;
if ( optstring[0] == ':' )
c = ':';
else
c = '?';
return c;
} else
/* We already incremented `gnu_optind' once;
increment it again when taking next ARGV-elt as argument. */
gnu_optarg = argv[gnu_optind++];

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/* gnu_optarg is now the argument, see if it's in the
table of longopts. */
for ( nextchar = nameend = gnu_optarg; *nameend && *nameend != '='; nameend++ )
/* Do nothing. */ ;
/* Test all long options for either exact match
or abbreviated matches. */
for ( p = longopts, option_index = 0; p->name; p++, option_index++ )
if ( !strncmp (p->name, nextchar, nameend - nextchar) ) {
if ( (unsigned int) (nameend - nextchar) == strlen (p->name) ) {
/* Exact match found. */
pfound = p;
indfound = option_index;
exact = 1;
break;
} else if ( pfound == NULL ) {
/* First nonexact match found. */
pfound = p;
indfound = option_index;
} else
/* Second or later nonexact match found. */
ambig = 1;
}
if ( ambig && !exact ) {
if ( gnu_opterr )
fprintf (stderr, _("%s: option `-W %s' is ambiguous\n"),
argv[0], argv[gnu_optind]);
nextchar += strlen (nextchar);
gnu_optind++;
return '?';
}
if ( pfound != NULL ) {
option_index = indfound;
if ( *nameend ) {
/* Don't test has_arg with >, because some C compilers don't
allow it to be used on enums. */
if ( pfound->has_arg )
gnu_optarg = nameend + 1;
else {
if ( gnu_opterr )
fprintf (stderr, _("\
%s: option `-W %s' doesn't allow an argument\n"),
argv[0], pfound->name);
nextchar += strlen (nextchar);
return '?';
}

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} else if ( pfound->has_arg == 1 ) {
    if ( gnu_optind < argc )
        gnu_optarg = argv[gnu_optind++];
    else {
        if ( gnu_opterr )
            fprintf(stderr,
                "(%s: option `-s' requires an argument\n"),
                argv[0], argv[gnu_optind - 1]);
        nextchar += strlen (nextchar);
        return optstring[0] == ':' ? ':' : '?';
    }
}

nextchar += strlen (nextchar);
if ( longind != NULL )
    *longind = option_index;
if ( pfound->flag ) {
    *(pfound->flag) = pfound->val;
    return 0;
}
    return pfound->val;
}

nextchar = NULL;
return 'W';   /* Let the application handle it. */
}

if ( temp[1] == ':' ) {
    if ( temp[2] == ':' ) {
        /* This is an option that accepts an argument optionally. */
        if ( *nextchar != '\0' ) {
            gnu_optarg = nextchar;
            gnu_optind++;
        } else
            gnu_optarg = NULL;
        nextchar = NULL;
    } else {
        /* This is an option that requires an argument. */
        if ( *nextchar != '\0' ) {
            gnu_optarg = nextchar;
            /* If we end this ARGV-element by taking the rest as an arg, we must advance to the next element now. */
            gnu_optind++;
        } else if ( gnu_optind == argc ) {
            if ( gnu_opterr ) {
                /* 1003.2 specifies the format of this message. */
                fprintf(stderr,
                    "(%s: option requires an argument -- %c\n"),
                    argv[0], c);
            }
            gnu_optopt = c;
        }
    }
}

if ( optstring[0] == ':' )
    c = ':';
else
    c = '?';
} else
/* We already incremented `gnu_optind' once;
   increment it again when taking next ARGV-elt as argument. */
gnu_optarg = argv[gnu_optind++];
nextchar = NULL;
}
return c;
}
}

int
gnu_getopt ( int argc,
    char *const *argv,
    const char *optstring ) {
    return _gnu_getopt_internal (argc, argv, optstring,
        (const struct option *) 0,
        (int *) 0,
        0);
}

#ifdef __cplusplus
} /* end extern "C" */
#endif

#ifdef TEST
/* Compile with -DTEST to make an executable for use in testing
 the above definition of `gnu_getopt'. */

int
main (argc, argv)
int argc;
char **argv;
{
    int c;
    int digit_optind = 0;

    while ( 1 ) {
        int this_option_optind = gnu_optind ? gnu_optind : 1;

        c = gnu_getopt (argc, argv, "abc:d:0123456789");
        if ( c == -1 )
break;

switch (c) {
    case '0':
    case '1':
    case '2':
    case '3':
    case '4':
    case '5':
    case '6':
    case '7':
    case '8':
    case '9':
        if (digit_optind != 0 && digit_optind != this_option_optind)
            fprintf(stderr, "digits occur in two different argv-elements\n");
        digit_optind = this_option_optind;
        fprintf(stderr, "option %c\n", c);
        break;
    case 'a':
        fprintf(stderr, "option a\n");
        break;
    case 'b':
        fprintf(stderr, "option b\n");
        break;
    case 'c':
        fprintf(stderr, "option c with value `\%s\n", gnu_optarg);
        break;
    case '?':
        break;
    default:
        fprintf(stderr, "??? getopt returned character code 0%o ??\n", c);
        break;
}

if (gnu_optind < argc) {
    fprintf(stderr, "non-option ARGV-elements: ");
    while (gnu_optind < argc)
        fprintf(stderr, "%s", argv[gnu_optind++]);
    fprintf(stderr, "\n");
}

exit(0);
#endif /* TEST */

## 1.41 spring-boot-starter-aop 2.2.4

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```
```

## 1.42 bootstrap 4.3.1

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 *
* @(#)bitstring.h8.1 (Berkeley) 7/19/93
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1.45 selinux 2.8-1+b1

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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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#endif
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Contributors to btv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers as needed. This means that data must always be copied to create the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire SDU, and leave <small_buffer_data> bytes empty at the start. Then copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
details.
*
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* M. Welsh, 6 July 1996
*
*/

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1.58 elasticsearch 2.4.1

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```json
{
    "customizationConfig": {
        "attachPayloadTraitToMember": [],
        "blacklistedSimpleMethods": [],
        "calculateCrc32FromCompressedData": false,
        "convenienceTypeOverloads": [],
        "customErrorCodeFieldName": null,
        "customProtocolFactoryFqcn": null,
        "customResponseMetadata": null,
        "customRetryPolicy": null,
        "customServiceMetadata": null,
        "defaultSimpleMethodTestRegion": null,
        "deprecatedOperations": [],
        "deprecatedShapes": [],
        "excludeClientCreateMethod": false,
        "modelMarshallerDefaultValueSupplier": [],
        "operationModifiers": null,
        "renameShapes": null,
        "sdkModeledExceptionBaseClassName": null,
        "sdkRequestBaseClassName": null,
        "sdkResponseBaseClassName": null,
        "serviceSpecificClientConfigClass": null,
        "serviceSpecificHttpConfig": null,
        "shapeModifiers": null,
        "shapeSubstitutions": null,
        "shareModelConfig": null,
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        "useAutoConstructList": true,
        "useAutoConstructMap": true,
        "verifiedSimpleMethods": [
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            "describeReservedElasticsearchInstanceOfferings",
            "describeReservedElasticsearchInstances",
            "getCompatibleElasticsearchVersions",
            "listElasticsearchVersions"
        ],
    },
    "metadata": {
        "apiVersion": "2015-01-01",
        "asyncBuilder": "DefaultElasticsearchAsyncClientBuilder",
        "asyncBuilderInterface": "ElasticsearchAsyncClientBuilder",
        "asyncClient": "DefaultElasticsearchAsyncClient",
        "asyncInterface": "ElasticsearchAsyncClient",
        "authPolicyPackageName": null,
        "authType": "V4",
```
"baseBuilder" : "DefaultElasticsearchBaseClientBuilder",
"baseBuilderInterface" : "ElasticsearchBaseClientBuilder",
"baseExceptionName" : "ElasticsearchException",
"baseRequestName" : "ElasticsearchRequest",
"baseResponseName" : "ElasticsearchResponse",
"cborProtocol" : false,
"clientPackageName" : "elasticsearch",
"contentType" : null,
"defaultEndpoint" : null,
"defaultEndpointWithoutHttpProtocol" : null,
"defaultRegion" : null,
"descriptiveServiceName" : "Amazon Elasticsearch Service",
"documentation" : "<fullname>Amazon Elasticsearch Configuration Service</fullname> <p>Use the Amazon
Elasticsearch configuration API to create, configure, and manage Elasticsearch domains.</p> <p>The endpoint for
configuration service requests is region-specific: es.<i>region</i>.amazonaws.com. For example, es.us-east-
1.amazonaws.com. For a current list of supported regions and endpoints, see <a
target="_blank">Regions and Endpoints</a>.<p>
"endpointPrefix" : "es",
"fullAuthPolicyPackageName" : "software.amazon.awssdk.services",
"fullClientPackageName" : "software.amazon.awssdk.services.elasticsearch",
"fullModelPackageName" : "software.amazon.awssdk.services.elasticsearch.model",
"fullPaginatorsPackageName" : "software.amazon.awssdk.services.elasticsearch.paginators",
"fullRequestTransformPackageName" : "software.amazon.awssdk.services.elasticsearch.transform",
"fullTransformPackageName" : "software.amazon.awssdk.services.elasticsearch.transform",
"ionProtocol" : false,
"jsonProtocol" : true,
"jsonVersion" : "1.1",
"modelPackageName" : "elasticsearch.model",
"paginatorsPackageName" : "elasticsearch.paginators",
"protocol" : "rest-json",
"requestTransformPackageName" : "elasticsearch.transform",
"requiresApiKey" : false,
"requiresIamSigners" : false,
"rootPackageName" : "software.amazon.awssdk.services",
"serviceName" : "Elasticsearch",
"signingName" : "es",
"syncBuilder" : "DefaultElasticsearchClientBuilder",
"syncBuilderInterface" : "ElasticsearchClientBuilder",
"syncClient" : "DefaultElasticsearchClient",
"syncInterface" : "ElasticsearchClient",
"transformPackageName" : "elasticsearch.transform",
"uid" : "es-2015-01-01",
"xmlProtocol" : false }
,
"operations" : {
 "AddTags" : {
 "authenticated" : true,
"baseBuilder" : "DefaultElasticsearchBaseClientBuilder",
"baseBuilderInterface" : "ElasticsearchBaseClientBuilder",
"baseExceptionName" : "ElasticsearchException",
"baseRequestName" : "ElasticsearchRequest",
"baseResponseName" : "ElasticsearchResponse",
"cborProtocol" : false,
"clientPackageName" : "elasticsearch",
"contentType" : null,
"defaultEndpoint" : null,
"defaultEndpointWithoutHttpProtocol" : null,
"defaultRegion" : null,
"descriptiveServiceName" : "Amazon Elasticsearch Service",
"documentation" : "<fullname>Amazon Elasticsearch Configuration Service</fullname> <p>Use the Amazon
Elasticsearch configuration API to create, configure, and manage Elasticsearch domains.</p> <p>The endpoint for
configuration service requests is region-specific: es.<i>region</i>.amazonaws.com. For example, es.us-east-
1.amazonaws.com. For a current list of supported regions and endpoints, see <a
target="_blank">Regions and Endpoints</a>.<p>
"endpointPrefix" : "es",
"fullAuthPolicyPackageName" : "software.amazon.awssdk.services",
"fullClientPackageName" : "software.amazon.awssdk.services.elasticsearch",
"fullModelPackageName" : "software.amazon.awssdk.services.elasticsearch.model",
"fullPaginatorsPackageName" : "software.amazon.awssdk.services.elasticsearch.paginators",
"fullRequestTransformPackageName" : "software.amazon.awssdk.services.elasticsearch.transform",
"fullTransformPackageName" : "software.amazon.awssdk.services.elasticsearch.transform",
"ionProtocol" : false,
"jsonProtocol" : true,
"jsonVersion" : "1.1",
"modelPackageName" : "elasticsearch.model",
"paginatorsPackageName" : "elasticsearch.paginators",
"protocol" : "rest-json",
"requestTransformPackageName" : "elasticsearch.transform",
"requiresApiKey" : false,
"requiresIamSigners" : false,
"rootPackageName" : "software.amazon.awssdk.services",
"serviceName" : "Elasticsearch",
"signingName" : "es",
"syncBuilder" : "DefaultElasticsearchClientBuilder",
"syncBuilderInterface" : "ElasticsearchClientBuilder",
"syncClient" : "DefaultElasticsearchClient",
"syncInterface" : "ElasticsearchClient",
"transformPackageName" : "elasticsearch.transform",
"uid" : "es-2015-01-01",
"xmlProtocol" : false }
,
"operations" : {
 "AddTags" : {
 "authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Attaches tags to an existing Elasticsearch domain. Tags are a set of case-sensitive key value pairs. An Elasticsearch domain may have up to 10 tags. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-awsresorctagging" target="_blank"> Tagging Amazon Elasticsearch Service Domains for more information.</a></p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
  "exceptionName" : "BaseException",
  "documentation" : "<p>An error occurred while processing the request.</p>",
  "httpStatusCode" : null
}, {
  "exceptionName" : "LimitExceededException",
  "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
  "httpStatusCode" : 409
}, {
  "exceptionName" : "ValidationException",
  "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
  "httpStatusCode" : 400
}, {
  "exceptionName" : "InternalException",
  "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
  "httpStatusCode" : 500
}
],
"hasBlobMemberAsPayload" : false,
"input" : { {
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  "variableName" : "addTagsRequest",
  "variableType" : "AddTagsRequest",
  "documentation" : "Container for the parameters to the <code>AddTags</code> operation. Specify the tags that you want to attach to the Elasticsearch domain.
"simpleType" : "AddTagsRequest",
"variableSetterType" : "AddTagsRequest"
},
"methodName" : "addTags",
"operationName" : "AddTags",
"paginated" : false,
"returnType" : { {
  "returnType" : "AddTagsResponse",
  "documentation" : null
},
"syncReturnType" : "AddTagsResponse"
},
"CancelElasticsearchServiceSoftwareUpdate" : {
Cancels a scheduled service software update for an Amazon ES domain. You can only perform this operation before the `<code>AutomatedUpdateDate</code>` and when the `<code>UpdateStatus</code>` is in the `<code>PENDING_UPDATE</code>` state.

```
{  "exceptionName" : "BaseException",  "documentation" : "An error occurred while processing the request.",  "httpStatusCode" : null },  {  "exceptionName" : "InternalException",  "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.",  "httpStatusCode" : 500 },  {  "exceptionName" : "ResourceNotFoundException",  "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 409.",  "httpStatusCode" : 409 },  {  "exceptionName" : "ValidationException",  "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.",  "httpStatusCode" : 400 }
```

```
"variableDeclarationType" : "CancelElasticsearchServiceSoftwareUpdateRequest",  "variableName" : "cancelElasticsearchServiceSoftwareUpdateRequest",  "variableType" : "CancelElasticsearchServiceSoftwareUpdateRequest",  "documentation" : "Container for the parameters to the <code>CancelElasticsearchServiceSoftwareUpdate</code> operation. Specifies the name of the Elasticsearch domain that you wish to cancel a service software update on.",  "simpleType" : "CancelElasticsearchServiceSoftwareUpdateRequest",  "variableSetterType" : "CancelElasticsearchServiceSoftwareUpdateRequest"
```

```
"methodName" : "cancelElasticsearchServiceSoftwareUpdate",  "operationName" : "CancelElasticsearchServiceSoftwareUpdate",  "paginated" : false,  "returnType" : {  "returnType" : "CancelElasticsearchServiceSoftwareUpdateResponse",  "documentation" : "The result of a <code>CancelElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update."}
```

```
"authenticated" : true,  "deprecated" : false,  "documentation" : "<p>Cancels a scheduled service software update for an Amazon ES domain. You can only perform this operation before the <code>AutomatedUpdateDate</code> and when the <code>UpdateStatus</code> is in the <code>PENDING_UPDATE</code> state.</p>"
```

```
  ],  "hasBlobMemberAsPayload" : false,  "input" : {  "variableDeclarationType" : "CancelElasticsearchServiceSoftwareUpdateRequest",  "variableName" : "cancelElasticsearchServiceSoftwareUpdateRequest",  "variableType" : "CancelElasticsearchServiceSoftwareUpdateRequest",  "documentation" : "Container for the parameters to the <code>CancelElasticsearchServiceSoftwareUpdate</code> operation. Specifies the name of the Elasticsearch domain that you wish to cancel a service software update on.",  "simpleType" : "CancelElasticsearchServiceSoftwareUpdateRequest",  "variableSetterType" : "CancelElasticsearchServiceSoftwareUpdateRequest"
  },  "methodName" : "cancelElasticsearchServiceSoftwareUpdate",  "operationName" : "CancelElasticsearchServiceSoftwareUpdate",  "paginated" : false,  "returnType" : {  "returnType" : "CancelElasticsearchServiceSoftwareUpdateResponse",  "documentation" : "The result of a <code>CancelElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update."}
```

```
"syncReturnType" : "CancelElasticsearchServiceSoftwareUpdateResponse"
"CreateElasticsearchDomain" : {
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"deprecated" : false,
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
"exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request.</p>",
"httpStatusCode" : null
}, {
"exceptionName" : "DisabledOperationException",
"documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
"httpStatusCode" : 409
}, {
"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
}, {
"exceptionName" : "InvalidTypeException",
"documentation" : "<p>An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.</p>",
"httpStatusCode" : 409
}, {
"exceptionName" : "LimitExceededException",
"documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
"httpStatusCode" : 409
}, {
"exceptionName" : "ResourceAlreadyExistsException",
"documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of 400.</p>",
"httpStatusCode" : 409
}, {
"exceptionName" : "ValidationException",
"documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : { 
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"variableType" : "CreateElasticsearchDomainRequest",
"documentation" : ",
"simpleType" : "CreateElasticsearchDomainRequest",
"variableSetterType" : "CreateElasticsearchDomainRequest"
},
"methodName" : "createElasticsearchDomain",
"operationName" : "CreateElasticsearchDomain",
"paginated" : false,
"returnType" : {
"returnType" : "CreateElasticsearchDomainResponse",
"documentation" : "The result of a CreateElasticsearchDomain operation. Contains the status of the newly created Elasticsearch domain.",
"syncReturnType" : "CreateElasticsearchDomainResponse"
}
],
"DeleteElasticsearchDomain" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "Permanently deletes the specified Elasticsearch domain and all of its data. Once a domain is deleted, it cannot be recovered.",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [
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},
{ "exceptionName" : "InternalException",
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"httpStatusCode" : 500
},
{ "exceptionName" : "ResourceNotFoundException",
"documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.",
"httpStatusCode" : 409
},
{ "exceptionName" : "ValidationException",
"documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.",
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}
],
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"input" : {
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"variableName" : "deleteElasticsearchDomainRequest",
"variableType" : "DeleteElasticsearchDomainRequest",
"documentation" : "Container for the parameters to the DeleteElasticsearchDomain operation."
}
operation. Specifies the name of the Elasticsearch domain that you want to delete..<p></p>

"simpleType" : "DeleteElasticsearchDomainRequest",
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"methodName" : "deleteElasticsearchDomain",
"operationName" : "DeleteElasticsearchDomain",
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  "documentation" : "The result of a <code>DeleteElasticsearchDomain</code> request. Contains the status of the pending deletion, or no status if the domain and all of its resources have been deleted.<p></p>"
},
"syncReturnType" : "DeleteElasticsearchDomainResponse"
},
"DeleteElasticsearchServiceRole" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Deletes the service-linked role that Elasticsearch Service uses to manage and maintain VPC domains. Role deletion will fail if any existing VPC domains use the role. You must delete any such Elasticsearch domains before deleting the role. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-enabling-slr" target="_blank">Deleting Elasticsearch Service Role</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.</p>

"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
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  },
  {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.<p></p>"
  },
  {
    "exceptionName" : "ValidationException",
    "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.<p></p>"
  }
],
"hasBlobMemberAsPayload" : false,
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  "variableType" : "DeleteElasticsearchServiceRoleRequest",
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  "simpleType" : "DeleteElasticsearchServiceRoleRequest",
  "variableSetterType" : "DeleteElasticsearchServiceRoleRequest"
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"methodName" : "deleteElasticsearchServiceRole",
"operationName" : "DeleteElasticsearchServiceRole",
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"returnType" : {
  "returnType" : "DeleteElasticsearchServiceRoleResponse",
  "documentation" : null
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"syncReturnType" : "DeleteElasticsearchServiceRoleResponse"
},

"DescribeElasticsearchDomain" : {
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  "deprecated" : false,
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  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
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    {
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      "httpStatusCode" : 500
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      "httpStatusCode" : 409
    },
    {
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  ],
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}
"paginated" : false,
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},
"syncReturnType" : "DescribeElasticsearchDomainResponse"
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"DescribeElasticsearchDomainConfig" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Provides cluster configuration information about the specified Elasticsearch domain, such as the state, creation date, update version, and update date for cluster options. </p>",
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    "endpointOperation" : false,
    "endpointTrait" : null,
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        "httpStatusCode" : null
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        "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service) . Gives http status code of 500. </p>",
        "httpStatusCode" : 500
    }, {
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        "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400. </p>",
        "httpStatusCode" : 409
    }, {
        "exceptionName" : "ValidationException",
        "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400. </p>",
        "httpStatusCode" : 400
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        "documentation" : "<p> Container for the parameters to the <code>DescribeElasticsearchDomainConfig</code> operation. Specifies the domain name for which you want configuration information. </p>",
        "simpleType" : "DescribeElasticsearchDomainConfigRequest",
        "variableSetterType" : "DescribeElasticsearchDomainConfigRequest"
    },
    "methodName" : "describeElasticsearchDomainConfig",
    "operationName" : "DescribeElasticsearchDomainConfig"
"syncReturnType" : "DescribeElasticsearchDomainsResponse",

"DescribeElasticsearchInstanceTypeLimits" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p> Describe Elasticsearch Limits for a given InstanceType and ElasticsearchVersion. When modifying existing Domain, specify the <code> <a>DomainName</a> </code> to know what Limits are supported for modifying. </p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500."",
    "httpStatusCode" : 500
  }, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409."",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "LimitExceededException",
    "documentation" : "An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409."",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 409."",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400."",
    "httpStatusCode" : 400
  } ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
    "variableName" : "describeElasticsearchInstanceTypeLimitsRequest",
    "variableType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
    "documentation" : "Container for the parameters to <code><a>DescribeElasticsearchInstanceTypeLimits</a> </code> operation. </p>"
"simpleType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsRequest"
},
"methodName" : "describeElasticsearchInstanceTypeLimits",
"operationName" : "DescribeElasticsearchInstanceTypeLimits",
"paginated" : false,
"returnType" : {
"returnType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
"documentation" : "Container for the parameters received from DescribeElasticsearchInstanceTypeLimits operation."
}
},
"syncReturnType" : "DescribeElasticsearchInstanceTypeLimitsResponse"
},
"DescribeReservedElasticsearchInstanceOfferings" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "Lists available reserved Elasticsearch instance offerings."
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [
{
"exceptionName" : "ResourceNotFoundException",
"documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400."
"httpStatusCode" : 409
}
{
"exceptionName" : "ValidationException",
"documentation" : "An exception for missing / invalid input fields. Gives http status code of 400."
"httpStatusCode" : 400
}
{
"exceptionName" : "DisabledOperationException",
"documentation" : "An error occurred because the client wanted to access a not supported operation. Gives http status code of 409."
"httpStatusCode" : 409
}
{
"exceptionName" : "InternalException",
"documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500."
"httpStatusCode" : 500
}
],
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"variableName" : "describeReservedElasticsearchInstanceOfferingsRequest",
"variableType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"documentation" : "Container for parameters to DescribeReservedElasticsearchInstanceOfferings operation."
}
"variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"methodName" : "describeReservedElasticsearchInstanceOfferings",
"operationName" : "DescribeReservedElasticsearchInstanceOfferings",
"paginated" : true,
"returnType" : {
  "returnType" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "documentation" : "Container for results from <code>DescribeReservedElasticsearchInstanceOfferings</code></p>"
},
"syncReturnType" : "DescribeReservedElasticsearchInstanceOfferingsResponse"
},
"DescribeReservedElasticsearchInstances" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Returns information about reserved Elasticsearch instances for this account."
},
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstancesRequest",
  "variableName" : "describeReservedElasticsearchInstancesRequest",
  "variableType" : "DescribeReservedElasticsearchInstancesRequest",
  "documentation" : "Container for parameters to <code>DescribeReservedElasticsearchInstances</code></p>"
},
"simpleType" : "DescribeReservedElasticsearchInstancesRequest",
"variableSetterType" : "DescribeReservedElasticsearchInstancesRequest"
"methodName" : "describeReservedElasticsearchInstances",
"operationName" : "DescribeReservedElasticsearchInstances",
"paginated" : true,
"returnType" : {
    "returnType" : "DescribeReservedElasticsearchInstancesResponse",
    "documentation" : "<p>Container for results from
    <code>DescribeReservedElasticsearchInstances</code></p>"
},
"syncReturnType" : "DescribeReservedElasticsearchInstancesResponse"
},
"GetCompatibleElasticsearchVersions" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Returns a list of upgrade compatible Elasticsearch versions. You can optionally pass a
    <code><a>DomainName</a></code> to get all upgrade compatible Elasticsearch versions for that specific
domain.</p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [
        {
            "exceptionName" : "BaseException",
            "documentation" : "<p>An error occurred while processing the request.</p>",
            "httpStatusCode" : null
        },
        {
            "exceptionName" : "ResourceNotFoundException",
            "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status
code of 400.</p>",
            "httpStatusCode" : 409
        },
        {
            "exceptionName" : "DisabledOperationException",
            "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives
            http status code of 409.</p>",
            "httpStatusCode" : 409
        },
        {
            "exceptionName" : "ValidationException",
            "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
            "httpStatusCode" : 400
        },
        {
            "exceptionName" : "InternalException",
            "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the
            failure is internal to the service). Gives http status code of 500.</p>",
            "httpStatusCode" : 500
        }
    ],
    "hasBlobMemberAsPayload" : false,
    "input" : {
        "variableDeclarationType" : "GetCompatibleElasticsearchVersionsRequest",
        "variableName" : "getCompatibleElasticsearchVersionsRequest"
"variableType" : "GetCompatibleElasticsearchVersionsRequest",
"documentation" : "<p> Container for request parameters to <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",
"simpleType" : "GetCompatibleElasticsearchVersionsRequest",
"variableSetterType" : "GetCompatibleElasticsearchVersionsRequest"
}
,
"methodName" : "getCompatibleElasticsearchVersions",
"operationName" : "GetCompatibleElasticsearchVersions",
"paged" : false,
"returnType" : {
  "returnType" : "GetCompatibleElasticsearchVersionsResponse",
  "documentation" : "<p> Container for response returned by <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>
}
,
"syncReturnType" : "GetCompatibleElasticsearchVersionsResponse"
}
,
"GetUpgradeHistory" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "DisabledOperationException",
    "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
  }
] ,
"GetUpgradeHistory" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Retrieves the complete history of the last 10 upgrades that were performed on the domain.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "DisabledOperationException",
    "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
  }
] ,
"hasBlobMemberAsPayload" : false,
"input" : { 
    "variableDeclarationType" : "GetUpgradeHistoryRequest",
    "variableName" : "getUpgradeHistoryRequest",
    "variableType" : "GetUpgradeHistoryRequest",
    "documentation" : "<p> Container for request parameters to <code> <a>GetUpgradeHistory</a> </code>
operation. </p>",
    "simpleType" : "GetUpgradeHistoryRequest",
    "variableSetterType" : "GetUpgradeHistoryRequest"
},
"methodName" : "getUpgradeHistory",
"operationName" : "GetUpgradeHistory",
"paginated" : true,
"returnType" : { 
    "returnType" : "GetUpgradeHistoryResponse",
    "documentation" : "<p> Container for response returned by <code> <a>GetUpgradeHistory</a> </code>
operation. </p>",
    "syncReturnType" : "GetUpgradeHistoryResponse"
},
"GetUpgradeStatus" : { 
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Retrieves the latest status of the last upgrade or upgrade eligibility check that was performed on the domain. </p>",
    "endpointDiscovery" : null,
    "endpointOperation" : false,
    "endpointTrait" : null,
    "exceptions" : [ 
        { 
            "exceptionName" : "BaseException",
            "documentation" : "<p>An error occurred while processing the request. </p>",
            "httpStatusCode" : null
        },
        { 
            "exceptionName" : "ResourceNotFoundException",
            "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400. </p>",
            "httpStatusCode" : 409
        },
        { 
            "exceptionName" : "DisabledOperationException",
            "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409. </p>",
            "httpStatusCode" : 409
        },
        { 
            "exceptionName" : "ValidationException",
            "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400. </p>",
            "httpStatusCode" : 400
        }]
}
The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

Container for request parameters to `<a>GetUpgradeStatus</a>` operation. Container for response returned by `<a>GetUpgradeStatus</a>` operation.

Returns the name of all Elasticsearch domains owned by the current user's account.

An error occurred while processing the request.

An exception for missing / invalid input fields. Gives http status code of 400.

An exception for missing / invalid input fields. Gives http status code of 400.

A request has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.
"variableSetterType" : "ListDomainNamesRequest"
},
"methodName" : "listDomainNames",
"operationName" : "ListDomainNames",
"paginated" : false,
"returnType" : {
  "returnType" : "ListDomainNamesResponse",
  "documentation" : "<p>The result of a <code>ListDomainNames</code> operation. Contains the names of all
Elasticsearch domains owned by this account.</p>"
},
"syncReturnType" : "ListDomainNamesResponse"
},
"ListElasticsearchInstanceTypes" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>List all Elasticsearch instance types that are supported for given
ElasticsearchVersion</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [
    {
      "exceptionName" : "BaseException",
      "documentation" : "<p>An error occurred while processing the request.</p>",
      "httpStatusCode" : null
    },
    {
      "exceptionName" : "InternalException",
      "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the
failure is internal to the service). Gives http status code of 500.</p>",
      "httpStatusCode" : 500
    },
    {
      "exceptionName" : "ResourceNotFoundException",
      "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status
code of 409.</p>",
      "httpStatusCode" : 409
    },
    {
      "exceptionName" : "ValidationException",
      "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
      "httpStatusCode" : 400
    }
  ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
    "variableName" : "listElasticsearchInstanceTypesRequest",
    "variableType" : "ListElasticsearchInstanceTypesRequest",
    "documentation" : "<p>Container for the parameters to the <code> <a>ListElasticsearchInstanceTypes</a>
</code> operation. </p>",
    "simpleType" : "ListElasticsearchInstanceTypesRequest",
    "variableSetterType" : "ListElasticsearchInstanceTypesRequest"
"methodName" : "listElasticsearchInstanceTypes",
"operationName" : "ListElasticsearchInstanceTypes",
"paginated" : true,
"returnType" : {
  "returnType" : "ListElasticsearchInstanceTypesResponse",
  "documentation" : "Container for the parameters returned by <code>listElasticsearchInstanceTypes</code> operation. <p>
},
"syncReturnType" : "ListElasticsearchInstanceTypesResponse"
},
"ListElasticsearchVersions" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "List all supported Elasticsearch versions",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request."
  },
  { "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service) . Gives http status code of 500.<p>
  },
  { "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.<p>
  },
  { "exceptionName" : "ValidationException",
    "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.<p>
  } ],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListElasticsearchVersionsRequest",
    "variableName" : "listElasticsearchVersionsRequest",
    "variableType" : "ListElasticsearchVersionsRequest",
    "documentation" : "Container for the parameters to the <code>ListElasticsearchVersions</code> operation. Use <code>MaxResults</code> to control the maximum number of results to retrieve in a single call. Use <code>NextToken</code> in response to retrieve more results. If the received response does not contain a NextToken, then there are no more results to retrieve."
  },
  "simpleType" : "ListElasticsearchVersionsRequest",
  "variableSetterType" : "ListElasticsearchVersionsRequest"
"methodName" : "listElasticsearchVersions",
"operationName" : "ListElasticsearchVersions",
"paginated" : true,
"returnType" : {
  "returnType" : "ListElasticsearchVersionsResponse",
  "documentation" : "Container for the parameters for response received from \"ListElasticsearchVersions\" operation. \"\"
},
"syncReturnType" : "ListElasticsearchVersionsResponse"
},
"ListTags" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "Returns all tags for the given Elasticsearch domain.\"
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "An error occurred while processing the request.\"
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.\"
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ValidationException",
    "documentation" : "An exception for missing / invalid input fields. Gives http status code of 400.\"
    "httpStatusCode" : 400
  }, {
    "exceptionName" : "InternalException",
    "documentation" : "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.\"
    "httpStatusCode" : 500
  }],
  "hasBlobMemberAsPayload" : false,
  "input" : {
    "variableDeclarationType" : "ListTagsRequest",
    "variableName" : "listTagsRequest",
    "variableType" : "ListTagsRequest",
    "documentation" : "Container for the parameters to the \"ListTags\" operation. Specify the \"ARN\" for the Elasticsearch domain to which the tags are attached that you want to view are attached.\"
    "simpleType" : "ListTagsRequest",
    "variableSetterType" : "ListTagsRequest"
  }
}
"methodName" : "listTags",
"operationName" : "ListTags",
"paginated" : false,
"returnType" : {
  "returnType" : "ListTagsResponse",
  "documentation" : "<p>The result of a <code>ListTags</code> operation. Contains tags for all requested
Elasticsearch domains.</p>"
},
"syncReturnType" : "ListTagsResponse"
},
"PurchaseReservedElasticsearchInstanceOffering" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Allows you to purchase reserved Elasticsearch instances.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [{
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status
code of 400.</p>",
    "httpStatusCode" : 409
  },
  ],
  "hasBlobMemberAsPayload" : false,
  "httpStatusCodes" : [409],
  "exceptionName" : "ResourceAlreadyExistsException",
  "documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of
400.</p>",
  "httpStatusCodes" : [409],
  "exceptionName" : "LimitExceededException",
  "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives
http status code of 409.</p>",
  "httpStatusCodes" : [409],
  "exceptionName" : "DisabledOperationException",
  "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives
http status code of 409.</p>",
  "httpStatusCodes" : [409],
  "exceptionName" : "ValidationException",
  "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
  "httpStatusCodes" : [400],
  "exceptionName" : "InternalException",
  "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the
failure is internal to the service). Gives http status code of 500.</p>",
  "httpStatusCodes" : [500]
},
"hasBlobMemberAsPayload" : false,
"input": {
  "variableDeclarationType": "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "variableName": "purchaseReservedElasticsearchInstanceOfferingRequest",
  "variableType": "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "documentation": "Container for parameters to the <code>PurchaseReservedElasticsearchInstanceOffering</code> operation."
},

"methodName": "purchaseReservedElasticsearchInstanceOffering",
"operationName": "PurchaseReservedElasticsearchInstanceOffering",
"paginated": false,
"returnType": {
  "returnType": "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "documentation": "Represents the output of a <code>PurchaseReservedElasticsearchInstanceOffering</code> operation."
},

"SyncReturnType": "PurchaseReservedElasticsearchInstanceOfferingResponse"

"RemoveTags": {
  "authenticated": true,
  "deprecated": false,
  "documentation": "Removes the specified set of tags from the specified Elasticsearch domain.",
  "endpointDiscovery": null,
  "endpointOperation": false,
  "endpointTrait": null,
  "exceptions": [{
    "exceptionName": "BaseException",
    "documentation": "An error occurred while processing the request.",
    "httpStatusCode": null
  }, {
    "exceptionName": "ValidationException",
    "documentation": "An exception for missing / invalid input fields. Gives http status code of 400.",
    "httpStatusCode": 400
  }, {
    "exceptionName": "InternalException",
    "documentation": "The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service) . Gives http status code of 500.",
    "httpStatusCode": 500
  }],
  "hasBlobMemberAsPayload": false,
  "input": {
    "variableDeclarationType": "RemoveTagsRequest",
    "variableName": "removeTagsRequest",
    "variableType": "RemoveTagsRequest",
    "documentation": "Container for the parameters to the <code>RemoveTags</code> operation. Specify the <code>ARN</code> for the Elasticsearch domain from which you want to remove the specified <code>TagKey</code>."
  }
}
"simpleType" : "RemoveTagsRequest",
"variableSetterType" : "RemoveTagsRequest"
},
"methodName" : "removeTags",
"operationName" : "RemoveTags",
"paginated" : false,
"returnType" : {
"returnType" : "RemoveTagsResponse",
"documentation" : null
},
"syncReturnType" : "RemoveTagsResponse"

"StartElasticsearchServiceSoftwareUpdate" : {
"authenticated" : true,
"deprecated" : false,
"documentation" : "<p>Schedules a service software update for an Amazon ES domain.</p>",
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
"exceptionName" : "BaseException",
"documentation" : "<p>An error occurred while processing the request.</p>",
"httpStatusCode" : null
}, {
"exceptionName" : "InternalException",
"documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode" : 500
}, {
"exceptionName" : "ResourceNotFoundException",
"documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
"httpStatusCode" : 400
} ],
"hasBlobMemberAsPayload" : false,
"input" : {
"variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateRequest",
"variableName" : "startElasticsearchServiceSoftwareUpdateRequest",
"variableType" : "StartElasticsearchServiceSoftwareUpdateRequest",
"documentation" : "<p>Container for the parameters to the <code><a>StartElasticsearchServiceSoftwareUpdate</a></code> operation. Specifies the name of the Elasticsearch domain that you wish to schedule a service software update on.</p>",
"simpleType" : "StartElasticsearchServiceSoftwareUpdateRequest",
"variableSetterType" : "StartElasticsearchServiceSoftwareUpdateRequest"
"methodName" : "startElasticsearchServiceSoftwareUpdate",
"operationName" : "StartElasticsearchServiceSoftwareUpdate",
"paginated" : false,
"returnType" : {
    "returnType" : "StartElasticsearchServiceSoftwareUpdateResponse",
    "documentation" : "<p>The result of a <code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.</p>"
},
"syncReturnType" : "StartElasticsearchServiceSoftwareUpdateResponse"
},
"UpdateElasticsearchDomainConfig" : {
    "authenticated" : true,
    "deprecated" : false,
    "documentation" : "<p>Modifies the cluster configuration of the specified Elasticsearch domain, setting as setting the instance type and the number of instances. </p>"
},
"endpointDiscovery" : null,
"endpointOperation" : false,
"endpointTrait" : null,
"exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
}, {
    "exceptionName" : "InternalException",
    "documentation" : "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
    "httpStatusCode" : 500
}, {
    "exceptionName" : "InvalidTypeException",
    "documentation" : "<p>An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
}, {
    "exceptionName" : "LimitExeceededException",
    "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
}, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
}, {
    "exceptionName" : "ValidationException",
    "documentation" : "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
    "httpStatusCode" : 400
} ]
}.
"hasBlobMemberAsPayload" : false,
"input" : {
  "variableDeclarationType" : "UpdateElasticsearchDomainConfigRequest",
  "variableName" : "updateElasticsearchDomainConfigRequest",
  "variableType" : "UpdateElasticsearchDomainConfigRequest",
  "documentation" : "<p>Container for the parameters to the <code><a>UpdateElasticsearchDomain</a></code> operation. Specifies the type and number of instances in the domain cluster.</p>",
  "simpleType" : "UpdateElasticsearchDomainConfigRequest",
  "variableSetterType" : "UpdateElasticsearchDomainConfigRequest"
},
"methodName" : "updateElasticsearchDomainConfig",
"operationName" : "UpdateElasticsearchDomainConfig",
"paginated" : false,
"returnType" : {
  "returnType" : "UpdateElasticsearchDomainConfigResponse",
  "documentation" : "<p>The result of an <code><a>UpdateElasticsearchDomain</a></code> request. Contains the status of the Elasticsearch domain being updated.</p>",
  "syncReturnType" : "UpdateElasticsearchDomainConfigResponse"
},
"UpgradeElasticsearchDomain" : {
  "authenticated" : true,
  "deprecated" : false,
  "documentation" : "<p>Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible Elasticsearch version.</p>",
  "endpointDiscovery" : null,
  "endpointOperation" : false,
  "endpointTrait" : null,
  "exceptions" : [ {
    "exceptionName" : "BaseException",
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "httpStatusCode" : null
  }, {
    "exceptionName" : "ResourceNotFoundException",
    "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "ResourceAlreadyExistsException",
    "documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of 400.</p>",
    "httpStatusCode" : 409
  }, {
    "exceptionName" : "DisabledOperationException",
    "documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>",
    "httpStatusCode" : 409
  }],
  "syncReturnUrl" : null,
"exceptionName": "ValidationException",
"documentation": "<p>An exception for missing / invalid input fields. Gives http status code of 400.</p>",
"httpStatusCode": 400
},
{

"exceptionName": "InternalException",
"documentation": "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
"httpStatusCode": 500
}
]

"hasBlobMemberAsPayload": false,
"input": {

"variableDeclarationType": "UpgradeElasticsearchDomainRequest",
"variableName": "upgradeElasticsearchDomainRequest",
"variableType": "UpgradeElasticsearchDomainRequest",
"documentation": "<p> Container for request parameters to <code><a>UpgradeElasticsearchDomain</a> </code> operation. </p>",
"simpleType": "UpgradeElasticsearchDomainRequest",
"variableSetterType": "UpgradeElasticsearchDomainRequest"
},

"methodName": "upgradeElasticsearchDomain",
"operationName": "UpgradeElasticsearchDomain",
"paginated": false,
"returnType": {

"returnType": "UpgradeElasticsearchDomainResponse",
"documentation": "<p> Container for response returned by <code><a>UpgradeElasticsearchDomain</a> </code> operation. </p>",
"syncReturnType": "UpgradeElasticsearchDomainResponse"
}
],

"shapes": {

"AccessPoliciesStatus": {

"c2jName": "AccessPoliciesStatus",
"customization": {

"artifactResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},

deprecated": false,
"documentation": "<p>The configured access rules for the domain's document and search endpoints, and the current status of those rules.</p>",
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "PolicyDocument",
  "defaultConsumerFluentSetterDocumentation" : "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.</p><p>This is a convenience that creates an instance of the @{link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the @{link Consumer} completes, @{link String.Builder#build()} is called immediately and its result is passed to @{link #options(String)}.<br>@param options a consumer that will call methods on @{link String.Builder}<br>@return Returns a reference to this object so that method calls can be chained together.<br>@see #options(String)",
  "deprecated" : false,
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterMethodName" : "options",
  "getDocumentation" : "<p>The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.<br>@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.<br>@return Returns a reference to this object so that method calls can be chained together.</p>
createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "Options",


@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.

"setterMethodName" : "setOptions",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See Configuring Access Policies for more information.

This is a convenience that creates an instance of the [OptionStatus.Builder] avoiding the need to create one manually via [OptionStatus#builder()]. When the [Consumer] completes, [OptionStatus.Builder#build()] is called immediately and its result is passed to [status(OptionStatus)] a consumer that will call methods on [OptionStatus.Builder] Returns a reference to this object so that method calls can be chained together.

The status of the access policy for the Elasticsearch domain. See [OptionStatus] for the status information that's included.

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The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included. 
@param status The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included.

```
"setterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included. </p>",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},

```

The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included. 

```
"simple" : false,
"timestampFormat" : null,

```

The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included.

```
"simpleType" : "OptionStatus",
```

The status of the access policy for the Elasticsearch domain. See `<code>OptionStatus</code>` for the status information that's included.
"variableSetterType": "OptionStatus",
},
"xmlNameSpaceUri": null
]
],
"membersAsMap": {
"Options": {
"beanStyleGetterMethodName": "getOptions",
"beanStyleSetterMethodName": "setOptions",
"c2jName": "Options",
"c2jShape": "PolicyDocument",

When the {@link Consumer} completes, {@link String.Builder} is called immediately and its result is passed to {@link #options(String)}.

@see #options(String)"
,
"deprecated": false,
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "options",
"fluentSetterMethodName": "options",


"variableInnerSetterType": "OptionStatus"
}"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Options",
    "uri" : false
  },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"sensitive" : false,
"setterMethodName" : "setOptions",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "options",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies for more information.\n",\n  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "The status of the access policy for the Elasticsearch domain. See OptionStatus for the status information that's included.\nThis is a convenience that creates an instance of the OptionStatusBuilder avoiding the need to create one manually via OptionStatusBuilder\nWhen the Consumer completes, OptionStatusBuilder#build() is called immediately and its result is passed to OptionStatus.\nparam status a consumer that will call methods on OptionStatusBuilder\n@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "The status of the access policy for the Elasticsearch domain. See OptionStatus for the status information that's included.\n",\n  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterMethodName" : "status",
  "fluentSetterDocumentation" : "The status of the access policy for the Elasticsearch domain. See OptionStatus for the status information that's included.\n\n@see #status(OptionStatus)",
  "getterDocumentation" : "The status of the access policy for the Elasticsearch domain. See OptionStatus for the status information that's included.\n",\n  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  }
}

```html

@param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included."

setterMethodName" : "setStatus",
"setterModel" : {

"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included."

"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "PolicyDocument",
  "defaultConsumerFluentSetterDocumentation" : "\n  The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #options(String)}.\n  @param options a consumer that will call methods on { @link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #options(String)",
  "deprecated" : false,
  "documentation" : "\n  The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n  <p>\n  endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "\n  The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n  @param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n  @return Returns a reference to this object so that method calls can be chained together.\n  \n  "fluentSetterDocumentation" : "\n  The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n  \n  "getterDocumentation" : "\n  The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.\n  \n  "getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
@param options The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies" target="_blank"> Configuring Access Policies</a> for more information.
",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "options",
  "variableType" : "String",
  "documentation" : "The access policy configured for the Elasticsearch domain. Access policies may be resource-based, IP-based, or IAM-based. See [Configuring Access Policies](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) for more information."
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "The status of the access policy for the Elasticsearch domain. See [OptionStatus](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) for the status information that's included. This is a convenience that creates an instance of the [OptionStatus.Builder](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) avoiding the need to create one manually via [OptionStatus#builder()](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies). When the [Consumer] completes, [OptionStatus.Builder#build()] is called immediately and its result is passed to [status(OptionStatus)](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) as a consumer that will call methods on [OptionStatus.Builder] and return Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : "The status of the access policy for the Elasticsearch domain. See [OptionStatus](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) for the status information that's included."

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "The status of the access policy for the Elasticsearch domain. See [OptionStatus](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-access-policies) for the status information that's included. Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "status",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
" sensitive" : false,
"setterDocumentation" : "<p>The status of the access policy for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>\@param status The status of the access policy for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.",
"setterMethodName" : "setStatus",
"setterModel" : {
 "variableDeclarationType" : "OptionStatus",
 "variableName" : "status",
 "variableType" : "OptionStatus",
 "documentation" : null,
 "simpleType" : "OptionStatus",
 "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "OptionStatus",
 "variableName" : "status",
 "variableType" : "OptionStatus",
 "documentation" : "<p>The status of the access policy for the Elasticsearch domain. See
<code>OptionStatus</code> for the status information that's included. </p>",
 "simpleType" : "OptionStatus",
 "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "AccessPoliciesStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AccessPoliciesStatus",
  "variableName" : "accessPoliciesStatus",
  "variableType" : "AccessPoliciesStatus",
  "documentation" : null,
  "simpleType" : "AccessPoliciesStatus",
  "variableSetterType" : "AccessPoliciesStatus"
},
"wrapper" : false
},
"AddTagsRequest" : {
  "c2jName" : "AddTagsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "\p>Container for the parameters to the <code><a>AddTags</a></code> operation. Specify the tags that you want to attach to the Elasticsearch domain.</p>\",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "AddTags",
    "locationName" : null,
    "requestUri" : "/2015-01-01/tags",
    "target" : null,
"verb": "POST",
"xmlNameSpaceUri": null
},
"members": [
  {"beanStyleGetterMethodName": "getArn",
  "beanStyleSetterMethodName": "setArn",
  "c2jName": "ARN",
  "c2jShape": "ARN",
  "defaultConsumerFluentSetterDocumentation": "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #arn(String)}. A consumer that will call methods on {@link String.Builder}\n
@param arn a consumer that will call methods on {@link String.Builder}\n
@return Returns a reference to this object so that method calls can be chained together.\n
@see #arn(String)
",
  "deprecated": false,
  "documentation": "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "arn",
  "fluentSetterDocumentation": "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
Specify the <code>ARN</code> for which you want to add the tags.\n
@return Returns a reference to this object so that method calls can be chained together."",
  "fluentSetterMethodName": "arn",
  "getterDocumentation": "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
Specify the <code>ARN</code> for which you want to add the tags.\n
@return Specify the <code>ARN</code> for which you want to add the tags.
",
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "ARN",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ARN",
    "uri": false
  }
]


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```
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"sensitive": false,
"setterDocumentation": "<p> Specify the `<code>ARN</code>` for which you want to add the tags. 

@param arn Specify the `<code>ARN</code>` for which you want to add the tags. 

@see #tagList(List<Tag>)",
"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "<p> Specify the `<code>ARN</code>` for which you want to add the tags. 

</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getTagList",
"beanStyleSetterMethodName": "setTagList",
"c2jName": "TagList",
"c2jShape": "TagList",
"defaultConsumerFluentSetterDocumentation": "<p> List of `<code>Tag</code>` that need to be added for the Elasticsearch domain. 

This is a convenience that creates an instance of the `{@link List<Tag>.Builder}` avoiding the need to create one manually via `{@link List<Tag>#builder()}`. 

When the `{@link Consumer}` completes, `{@link List<Tag>.Builder#build()}` is called immediately and its result is passed to `{@link List<Tag>.Builder#build()}`. 

Returns a reference to this object so that method calls can be chained together.

@see #tagList(List<Tag>)",
"deprecated": false,
"documentation": "<p> List of `<code>Tag</code>` that need to be added for the Elasticsearch domain. 

</p>
"endpointDiscoveryId": false,
"enumType": null,
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"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain. <p>@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain</p>@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "tagList",
"getterDocumentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.<p>@return List of <code>Tag</code> that need to be added for the Elasticsearch domain."
"getterModel" : {
   "returnType" : "java.util.List<Tag>",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "TagList",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "TagList",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
   "implType" : "java.util.ArrayList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "Tag",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link Tag.Builder} avoiding the need to create one manually via {@link Tag#builder()}. When the {@link Consumer} completes, {@link Tag.Builder#build()} is
called immediately and its result is passed to {@link member(Tag)}.
@param member a consumer that will call methods on {@link Tag.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #member(Tag)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.
",
"getterModel" : {
"returnType" : "Tag",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"sensitive" : false,
"setterDocumentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain.

@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "ARN" : {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
This is a convenience that creates an instance of the <code>{@link String.Builder}</code> avoiding the need to create one manually via <code>{@link String#builder()}</code>. When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #arn(String)}</code>.<br>When the <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #arn(String)}</code>.<br>@param arn a consumer that will call methods on <code>{@link String.Builder}</code> returns a reference to this object so that method calls can be chained together.<br>@see <code>arn(String)</code>",
    "deprecated" : false,
    "documentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>",
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "arn",
    "fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
@returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "arn",
    "getterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>
@returns Specify the <code>ARN</code> for which you want to add the tags.",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"setterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. 
@param arn Specify the <code>ARN</code> for which you want to add the tags.
</p>
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TagList" : {
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
}
"c2jName" : "TagList",
"c2jShape" : "TagList",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; that need to be added for the Elasticsearch domain. &lt;/p&gt;\nThis is a convenience that creates an instance of the { @link List&lt;Tag&gt;}.Builder\navoiding the need to create one manually via { @link List&lt;Tag&gt;#builder()}. When the { @link Consumer\ncompletes, { @link List&lt;Tag&gt;.Builder#build()} is called immediately and its result is passed to { @link \ntagList(List&lt;Tag&gt;)}\n\n@see #tagList(List&lt;Tag&gt;)\n\nReturns a reference to this object so that method calls can be chained together.\n
@deprecated\n"documentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; that need to be added for the Elasticsearch domain. &lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagList",
"fluentSetterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; that need to be added for the Elasticsearch domain. &lt;/p&gt;\n\nAttempts to modify the collection returned by this method will result in an\nUnsupportedOperationException.\n\n@see #tagList(List&lt;Tag&gt;)\n\nThat need to be added for the Elasticsearch domain.\n\n\n getterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; that need to be added for the Elasticsearch domain. &lt;/p&gt;\n\nThat need to be added for the Elasticsearch domain.\n\n\n getterModel" : {
  "returnType" : "java.util.List&lt;Tag&gt;",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "TagList",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "TagList",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \[@link Tag.Builder\] avoiding the need to create one manually via \[@link Tag#builder()\]. When the \[@link Consumer\] completes, \[@link Tag.Builder#build()\] is called immediately and its result is passed to \[@link #member(Tag)\].\n\n@param member a consumer that will call methods on \[@link Tag.Builder\]\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(Tag)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(Tag)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.\n\n@see #member(Tag)",
    "getterModel" : {
      "returnType" : "Tag",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
    },
  }
}
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": null,
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "Tag",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "Tag",
"templateImplType": "java.util.ArrayList<Tag>",
"templateType": "java.util.List<Tag>"}
},
"map": false,
"mapModel": null,
"marshallingType": "LIST"
"name" : "TagList",
"sensitive" : false,
"setterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain.

### Method: setTagList

**Method Signature:**
```java
public void setTagList(List<Tag> tagList)
```

**Parameters:**
- `tagList`: List of <code>Tag</code> that need to be added for the Elasticsearch domain.

**setterMethodName** : "setTagList",

**setterModel** : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain.

### Method: setArn

**Method Signature:**
```java
public void setArn(String arn)
```

**Parameters:**
- `arn`: Specify the <code>ARN</code> for which you want to add the tags.

**deprecated** : false,
"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

### Method: arn

**Method Signature:**
```java
public String arn()
```

**Parameters:**
- `arn`: Specify the <code>ARN</code> for which you want to add the tags.

"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

**defaultConsumerFluentSetterDocumentation** : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>

This is a convenience that creates an instance of the [String.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/optional/String-Builder.html) and avoids the need to create one manually via [String.Builder(build)](https://docs.oracle.com/javase/8/docs/api/java/util/optional/String-Builder.html). When the [String.Consumer](https://docs.oracle.com/javase/8/docs/api/java/util/optional/String-Consumer.html) completes, the derived string is passed to [String.Builder.build](https://docs.oracle.com/javase/8/docs/api/java/util/optional/String-Builder.html). The return value is a reference to this object so that method calls can be chained together.

"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

"deprecated" : false,
"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

### Method: enumDiscoveryId

**Method Signature:**
```java
public void setEnumDiscoveryId(String enumDiscoveryId)
```

**Parameters:**
- `enumDiscoveryId`: false

"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

### Method: eventPayload

**Method Signature:**
```java
public void setEventPayload(String eventPayload)
```

**Parameters:**
- `eventPayload`: false

"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

### Method: fluentEnumGetterMethodName

**Method Signature:**
```java
public String fluentEnumGetterMethodName()
```

**Parameters:**
- `fluentEnumGetterMethodName`: "arn"

"documentation" : "Specify the <code>ARN</code> for which you want to add the tags.

### Method: fluentSetterMethodName

**Method Signature:**
```java
public String fluentSetterMethodName()
```

**Parameters:**
- `fluentSetterMethodName`: "arn"

"documentation" : "Specify the <code>ARN</code> for which you want to add the tags."
tags.</p>
@returns Specify the <code>ARN</code> for which you want to add the tags.

```
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>
@returns Specify the <code>ARN</code> for which you want to add the tags.
```

```
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ARN",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ARN",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags. </p>
@returns Specify the <code>ARN</code> for which you want to add the tags.
```

```
"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p> Specify the <code>ARN</code> for which you want to add the tags.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getTagList",
"beanStyleSetterMethodName" : "setTagList",
"c2jName" : "TagList",
"c2jShape" : "TagList",
"defaultConsumerFluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. \nThis is a convenience that creates an instance of the { @link List<Tag>.Builder} avoiding the need to create one manually via { @link List<Tag>#builder()} \nWhen the { @link Consumer} completes, { @link List<Tag>.Builder#build()} is called immediately and its result is passed to { @link 
#tagList(List<eTag>)}. \n@ see tagList(List<eTag>)\n\n\n@ return Returns a reference to this object so that method calls can be chained together.\n@ see #tagList(List<eTag>)",
  "deprecated" : false,
  "documentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "tagList",
  "fluentSetterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain. \nAttempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n@ see #tagList(List<eTag>)\n\n\n@ return Returns a reference to this object so that method calls can be chained together.\n@ see #tagList(List<eTag>)",
  "fluentSetterMethodName" : "tagList",
  "getterDocumentation" : "<p> List of <code>Tag</code> that need to be added for the Elasticsearch domain.\n@ see #tagList(List<eTag>)\n\n\n@ return Returns a reference to this object so that method calls can be chained together.\n@ see #tagList(List<eTag>)",
  "getterModel" : {
    "returnType" : "java.util.List<Tag>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the \{@link Tag.Builder\} avoiding the need to create one
manually via \{@link Tag.Builder()\}. When the \{@link Consumer\} completes, \{@link Tag.Builder#build()\} is
called immediately and its result is passed to \{@link #member(Tag)\}.\n\n@param member a consumer that will call
methods on \{@link Tag.Builder\}\n\n@returns Returns a reference to this object so that method calls can be chained
together.\n\n@see #member(Tag)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@returns Returns a reference to this object so that method
calls can be chained together.\n\n@see #member(Tag)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@returns The value of
the Member property for this object.\n\n@getterModel" : {
  "returnType" : "Tag",
  "documentation" : null
},
  "http" : {
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>
}
,
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"_sensitive" : false,
"setterDocumentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain.
</p>
@param tagList List of <code>Tag</code> that need to be added for the Elasticsearch domain.
",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
}
,
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "List of <code>Tag</code> that need to be added for the Elasticsearch domain. 
</p>
",
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>
}
,
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ARN", "TagList" ],
"shapeName" : "AddTagsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "AddTagsRequest",
  "variableName" : "addTagsRequest",
  "variableType" : "AddTagsRequest",
  "documentation" : null,
"wrapper" : false
},
"AdditionalLimit" : {
  "c2jName" : "AdditionalLimit",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "List of limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code>.
  <code>enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    {"beanStyleGetterMethodName" : "getLimitName",
     "beanStyleSetterMethodName" : "setLimitName",
     "c2jName" : "LimitName",
     "c2jShape" : "LimitName",
     "defaultConsumerFluentSetterDocumentation" : "<p>Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: <br/>
<ul><li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> can support as master node which you don't need any master nodes to govern them. </ul></p>\n  <p>This is a convenience that creates an instance of the {<code>String.Builder</code>} avoiding the need to create one manually via {<code>String.Builder</code>}. When the {<code>String.Builder</code>} completes, {<code>String.Builder#build()</code>} is called immediately and its result is passed to {<code>String.Builder#limitName(String)</code>} as a parameter that will call methods on {<code>String.Builder</code>} at return. Returns a reference to this object so that method calls can be chained together. <br/>
  "deprecated" : false,
  "documentation" : "List of limits that are specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: <br/>
<ul><li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> can support as master node.
</ul>"}
</code>
to specify how much data nodes of given `<code>` &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; `</code>` upto which you don't need any master nodes to govern them. `<ul>` &lt;/p&gt;",

"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "limitName",
"fluentSetterDocumentation": "&lt;p&gt; Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br/&gt; Attributes and their details: &lt;br/&gt; &lt;ul&gt;
&lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt;&lt;/p&gt;&lt;/p&gt;
\@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br/&gt; Attributes and their details: &lt;br/&gt; &lt;ul&gt;
&lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;&lt;/p&gt;
\@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName": "limitName",
"getterDocumentation": "&lt;p&gt; Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br/&gt; Attributes and their details: &lt;br/&gt; &lt;ul&gt;
&lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt;&lt;/p&gt;&lt;/p&gt;
\@return Name of Additional Limit is specific to a given InstanceType and for each of it's &lt;code&gt; &lt;a&gt;InstanceRole&lt;/a&gt; &lt;/code&gt; etc. &lt;br/&gt; Attributes and their details: &lt;br/&gt; &lt;ul&gt;
&lt;li&gt;MaximumNumberOfDataNodesSupported&lt;/li&gt; This attribute will be present in Master node only to specify how much data nodes upto which given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; can support as master node. &lt;li&gt;MaximumNumberOfDataNodesWithoutMasterNode&lt;/li&gt; This attribute will be present in Data node only to specify how much data nodes of given &lt;code&gt; &lt;a&gt;ESPartitionInstanceType&lt;/a&gt; &lt;/code&gt; upto which you don't need any master nodes to govern them. &lt;/ul&gt; &lt;/p&gt;&lt;/p&gt;
\@return Returns a reference to this object so that method calls can be chained together.",

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
"isStreaming" : false,
"location" : null,

"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitName",
"queryString" : false,
"statusCode" : false,

"unmarshallLocationName" : "LimitName",
"uri" : false
}

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "LimitName",

"setterMethod" : "string",

"setterMethodName" : "setLimitName",

"setterModel" : {

  "variableDeclarationType" : "String",

  "variableName" : "limitName",

  "variableType" : "String",

  "documentation" : null,

  "simpleType" : "String",

  "variableSetterType" : "String"

},

"simple" : true,

"timestampFormat" : null,

"variable" : {

  "variableDeclarationType" : "String",

  "variableName" : "limitName",

  "variableType" : "String",

  "documentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's
  InstanceRole etc. Attributes and their details:

  <ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify
  how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node.
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify
  how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to
govern them. </ul> <p>@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's
  InstanceRole etc. Attributes and their details:

  <ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify
  how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node.
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify
  how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to
govern them. </ul>

  </p>";

"setterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's
  InstanceRole etc. Attributes and their details:

  <ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify
  how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node.
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify
  how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to
govern them. </ul> <p>@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's
  InstanceRole etc. Attributes and their details:

  <ul>
  <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify
  how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node.
  <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify
  how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to
govern them. </ul>";
Attributes and their details:

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes up to which given `<code><a>ESPartitionInstanceType</a></code>` can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given `<code><a>ESPartitionInstanceType</a></code>` up to which you don't need any master nodes to govern them.
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitValues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitValues",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"jsonValue" : false,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
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"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
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"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
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"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
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"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
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  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitValues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitValues",
  "uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p> Value for given <code><a>AdditionalLimit$LimitName</a></code>. </p>
@param limitValues Value for given <code><a>AdditionalLimit$LimitName</a></code>.",
"setterMethodName" : "setLimitValues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p> Value for given <code><a>AdditionalLimit$LimitName</a></code>. </p>
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "LimitName" : {
    "beanStyleGetterMethodName" : "getLimitName",
    "beanStyleSetterMethodName" : "setLimitName",
    "c2jName" : "LimitName",
    "c2jShape" : "LimitName",
    "defaultConsumerFluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> etc. <br/> Attributes and their details: <br/>
<ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to
"
specify how much data nodes upto which given `<code>` `ESPartitionInstanceType` `<code>` can support as master node. `<li>` `MaximumNumberOfDataNodesWithoutMasterNode` `<li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `ESPartitionInstanceType` `<code>` upto which you don't need any master nodes to govern them. `<ul>`<br/>This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `{ @link String#builder() }`.<br/>When the `{ @link Consumer }` completes, `{ @link String.Builder#build() }` is called immediately and its result is passed to `{ @link String#builder() }`.<br/>`<ul>`<br/>`<p>` Name of Additional Limit is specific to a given `InstanceType` and for each of it's `<code>` `InstanceRole` `<code>` etc. `<br/>Attributes and their details: `<br/>`<ul>`<br/>`<li>` `MaximumNumberOfDataNodesSupported` `<li>` This attribute will be present in Master node only to specify how much data nodes upto which given `<code>` `ESPartitionInstanceType` `<code>` can support as master node. `<li>` `MaximumNumberOfDataNodesWithoutMasterNode` `<li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `ESPartitionInstanceType` `<code>` upto which you don't need any master nodes to govern them. `<ul>`<br/>`<p>` Name of Additional Limit is specific to a given `InstanceType` and for each of it's `<code>` `InstanceRole` `<code>` etc. `<br/>Attributes and their details: `<br/>`<ul>`<br/>`<li>` `MaximumNumberOfDataNodesSupported` `<li>` This attribute will be present in Master node only to specify how much data nodes upto which given `<code>` `ESPartitionInstanceType` `<code>` can support as master node. `<li>` `MaximumNumberOfDataNodesWithoutMasterNode` `<li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `ESPartitionInstanceType` `<code>` upto which you don't need any master nodes to govern them. `<ul>`<br/>`<p>` Name of Additional Limit is specific to a given `InstanceType` and for each of it's `<code>` `InstanceRole` `<code>` etc. `<br/>Attributes and their details: `<br/>`<ul>`<br/>`<li>` `MaximumNumberOfDataNodesSupported` `<li>` This attribute will be present in Master node only to specify how much data nodes upto which given `<code>` `ESPartitionInstanceType` `<code>` can support as master node. `<li>` `MaximumNumberOfDataNodesWithoutMasterNode` `<li>` This attribute will be present in Data node only to specify how much data nodes of given `<code>` `ESPartitionInstanceType` `<code>` upto which you don't need any master nodes to govern them. `<ul>`<br/>`<p>` Returns a reference to this object so that method calls can be chained together.
maximum node. 

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes of given `ESPartitionInstanceType` can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given `ESPartitionInstanceType` upto which you don't need any master nodes to govern them.

```json
"setterModel" : {
  "setterMethodName" : "setLimitName",
  "setterModel" : {
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"isSensitive" : false,
"setterDocumentation" : "Name of Additional Limit is specific to a given InstanceType and for each of it's InstanceRole etc. Attributes and their details: 

- **MaximumNumberOfDataNodesSupported**
  - This attribute will be present in Master node only to specify how much data nodes upto which given `ESPartitionInstanceType` can support as master node.

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given `ESPartitionInstanceType` upto which you don't need any master nodes to govern them.
```
"variableDeclarationType" : "String",
"variableName" : "limitName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "limitName",
"variableType" : "String",
"documentation" : "Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. <br/> Attributes and their details: <br/> <ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LimitValues" : {
"beanStyleGetterMethodName" : "getLimitValues",
"beanStyleSetterMethodName" : "setLimitValues",
"c2jName" : "LimitValues",
"c2jShape" : "LimitValueList",
"defaultConsumerFluentSetterDocumentation" : "Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the { @link Consumer} completes, { @link List<?>>.build() is called immediately and its result is passed to { @link List<String>}.build() is called immediately and its result is passed to { @link List<String>}.build().

@see #limitValues(List<String>)",
"deprecated" : false,
"documentation" : "Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@returns Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId" : false,
"documentation" : "Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@endpointDiscoveryId" : false,
"documentation" : "Value for given <code> <a>AdditionalLimit$LimitName</a> </code> .
@returns Returns a reference to this object so that method calls can be chained together.
};
Returns a reference to this object so that method calls can be chained together.

> "getterDocumentation" : "Value for given \&lt;code\&gt; AdditionalLimit\$LimitName\&lt;/a\&gt; \&lt;/code\&gt;.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Value for given \&lt;code\&gt; AdditionalLimit\$LimitName\&lt;/a\&gt; \&lt;/code\&gt;.
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@returns The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.

getterModel" : [
"returnType" : "String",
"documentation" : null
],
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@returns The new value for the Member property for this object.

setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String"}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "\<p\> Value for given \<code\> \(<a\>AdditionalLimit$LimitName</a><\code\>\). \</p\>\@param limitValues Value for given \<code\> \(<a\>AdditionalLimit$LimitName</a><\code\>\).",
"setterMethodName" : "setLimitValues",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>"}
"documentation" : "<p> Value for given <code> <a>AdditionalLimit$LimitName</a> </code> . </p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [
{
"beanStyleGetterMethodName" : "getLimitName",
"beanStyleSetterMethodName" : "setLimitName",
"c2jName" : "LimitName",
"c2jShape" : "LimitName",
"defaultConsumerFluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul> This is a convenience that creates an instance of the [{@link String.Builder} avoiding the need to create one manually via {@link String.Builder}}.

When the [{@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {#limitName(String)}.

@param limitName a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #limitName(String)"
,"deprecated" : false,
"documentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of its <code> <a>InstanceRole</a> </code> etc. Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>"
,"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>"
,"destinationId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "<p> Name of Additional Limit is specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> etc. Attributes and their details: <br/> <ul> <li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code> <a>ESPartitionInstanceType</a> </code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code> <a>ESPartitionInstanceType</a> </code> upto which you don't need any master nodes to govern them. </ul>"
,"endpointDiscoveryId" : false,
"enumType" : null,
master node. 

- **MaximumNumberOfDataNodesWithoutMasterNode**
  - This attribute will be present in Data node only to specify how much data nodes of given `InstanceType` can support as master node. 
  - This attribute will be present in Data node only to specify how much data nodes of given `InstanceType` up to which you don't need any master nodes to govern them. 

@return Returns a reference to this object so that method calls can be chained together.

- **fluentSetterMethodName** : "limitName",
- **getterDocumentation** : "The name of Additional Limit is specific to a given InstanceType and for each of it's `InstanceRole` etc.
  Attributes and their details:
  - **MaximumNumberOfDataNodesSupported**
    - This attribute will be present in Master node only to specify how much data nodes up to which given `InstanceType` can support as master node.
  - **MaximumNumberOfDataNodesWithoutMasterNode**
    - This attribute will be present in Data node only to specify how much data nodes of given `InstanceType` up to which you don't need any master nodes to govern them.

@return Name of Additional Limit is specific to a given InstanceType and for each of it's `InstanceRole` etc.

Attributes and their details:
- **MaximumNumberOfDataNodesSupported**
- **MaximumNumberOfDataNodesWithoutMasterNode**
"setterDocumentation":"<p>Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: Attributes and their details: <ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul>
</p>

@param limitName Name of Additional Limit is specific to a given InstanceType and for each of it's <code>InstanceRole</code> etc. Attributes and their details: Attributes and their details: 
<ul>
<li>MaximumNumberOfDataNodesSupported</li> This attribute will be present in Master node only to specify how much data nodes upto which given <code>ESPartitionInstanceType</code> can support as master node. <li>MaximumNumberOfDataNodesWithoutMasterNode</li> This attribute will be present in Data node only to specify how much data nodes of given <code>ESPartitionInstanceType</code> upto which you don't need any master nodes to govern them. </ul>"
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "Value for given \</a>AdditionalLimit$LimitName</a> \</code>.

@ param limitValues Value for given \</a>AdditionalLimit$LimitName</a> \</code>.
\</p>
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "limitValues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p> Value for given <code><a>AdditionalLimit$LimitName</a></code> . </p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "AdditionalLimit",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "additionalLimit",
  "variableType" : "AdditionalLimit",
  "documentation" : null,
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"wrapper" : false
},
"AdvancedOptionsStatus" : {
  "c2jName" : "AdvancedOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  }
}
"deprecated" : false,
"documentation" : "<p> Status of the advanced options for the specified Elasticsearch domain. Currently, the following advanced options are available:</p> <ul> <li>Option to allow references to indices in an HTTP request body. Must be `<code>false</code>` when configuring access to individual sub-resources. By default, the value is `<code>true</code>`. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options">Configuration Advanced Options</a> for more information.</li> <li>Option to specify the percentage of heap space that is allocated to field data. By default, this setting is unbounded.</li> </ul> For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options">Configuring Advanced Options</a>.

"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasLoadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ { "beanStyleGetterMethodName" : "getOptions", "beanStyleSetterMethodName" : "setOptions", "c2jName" : "Options", "c2jShape" : "AdvancedOptions", "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>\n\nThis is a convenience that creates an instance of the { @link Map<String,String>.Builder} avoiding the need to create one manually via { @link Map<String,String>#builder()}. When the { @link Consumer} completes, { @link Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link #options(Map<String,String>)}.\n@link options(Map<String,String>)\n\n@link Consumer\n\n@link #options\n\n@link Map<String,String>.Builder\n@method return Returns a reference to this object so that method calls can be chained together.\n@see #options(Map<String,String>)
"deprecated" : false,
"documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>", "endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>\n@link options\n\n@link Map<String,String>
@method return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "options"
"getterDocumentation" : "<p>Specifies the status of advanced options for the specified Elasticsearch domain.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return Specifies the status of advanced options for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object."
  }
}
"depreciated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
}
,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
",
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
}
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "key",
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
"beanStyleGetterMethodName": "getValue",
"beanStyleSetterMethodName": "setValue",
"c2jName": "value",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}.\n@see #value(String)\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(String)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object.\n@see #value(String)\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(String)",
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.\n@see #value(String)\n@return The value of the Value property for this object.\n@see #value(String)",
"getterModel": {
"returnType": "String",
"documentation": null
}"}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p><p>@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p><p>@return Returns a reference to this object so that method calls can be chained together.</p>.
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p><p>@return Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>.
"getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p><p>@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>.
"setterMethodName" : "setStatus",
"setterModel" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the
specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variable SetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified
Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link
Map<String,String> Builder} avoiding the need to create one manually via { @link
Map<String,String> #builder()}. When the { @link Consumer} completes, { @link
Map<String,String> .Builder#build()} is called immediately and its result is passed to { @link
#options(Map<String,String>)}. 
@param options a consumer that will call methods on { @link
Map<String,String> .Builder}
@return Returns a reference to this object so that method calls can be chained
together.
@see #options(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch
domain. </p>
@param options Specifies the status of advanced options for the specified Elasticsearch
domain.
@return Returns a reference to this object so that method calls can be chained
together."
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch
domain. </p>
@throws UnsupportedOperationException
@return Specifies the status of advanced options for the specified Elasticsearch domain."
}
```json
Elasticsearch domain.

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #key(String)\}.\n@param key a consumer that will call methods on \{@link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)"
  }
}
```

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"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@returns The new value for the Key property for this object.

@returns Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@returns The value of the Key property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object.
@returns The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #value(String)\}. \n\n@param value a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(String)"
, "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.\n",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object.\n",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"Sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
"marshallingType" : "MAP",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "Specifies the status of advanced options for the specified Elasticsearch domain."
@param options Specifies the status of advanced options for the specified Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "Specifies the status of advanced options for the specified Elasticsearch domain."
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}. @param status a consumer that will call methods on {@link OptionStatus.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #status(OptionStatus)"
, "deprecated" : false,
  "documentation" : "Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain."
, "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. 
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@return Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain. </p>
@param status Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain."

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus"
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p> Specifies the status of &lt;code&gt;OptionStatus&lt;/code&gt; for advanced options for the specified Elasticsearch domain.&lt;/p&gt;",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt; Specifies the status of advanced options for the specified Elasticsearch domain.&lt;/p&gt;&lt;\n&gt;This is a convenience that creates an instance of the { @link Map&lt;String,String&gt;.Builder} avoiding the need to create one manually via { @link Map&lt;String,String&gt;#builder()}.&lt;\n&gt;When the { @link Consumer} completes, { @link Map&lt;String,String&gt;.Builder#build()} is called immediately and its result is passed to { @link #options(Map&lt;String,String&gt;)}.&lt;\n&gt;@param options a consumer that will call methods on { @link Map&lt;String,String&gt;.Builder} to create the instance.&lt;\n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;\n&gt;@see #options(Map&lt;String,String&gt;)&quot;,
"deprecated" : false,
"documentation" : "&lt;p&gt; Specifies the status of advanced options for the specified Elasticsearch domain.&lt;/p&gt;",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "&lt;p&gt; Specifies the status of advanced options for the specified Elasticsearch domain.&lt;/p&gt;&lt;\n&gt;@param options Specifies the status of advanced options for the specified Elasticsearch domain.&lt;\n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;\n&gt;@see #options(Map&lt;String,String&gt;)&quot;,
"getterDocumentation" : "&lt;p&gt; Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.&lt;/p&gt;&lt;\n&gt;@return Specifies the status of advanced options for the specified Elasticsearch domain.&lt;\n&gt;@param options Specifies the status of advanced options for the specified Elasticsearch domain.&lt;\n&gt;@return Returns a reference to this object so that method calls can be chained together.&lt;\n&gt;@see #options(Map&lt;String,String&gt;)&quot;,
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link String#builder()}\n\n@>{@link String#builder()}\n@ see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluuentEnumGetterMethodName" : null,
    
  }
},
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link String#builder()}\n\n@>{@link String#builder()}\n@ see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluuentEnumGetterMethodName" : null,
    
  }
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"isBinary" : false,
"jsonValue" : true,
"list" : false,
"listModel" : null,
"map" : true,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.",
"getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #value(String)}. The return value is a consumer that will call methods on {link String.Builder} that can be chained together.\n\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object.",
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    "documentation" : null
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unnmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"simple" : true,
"timestampFormat" : null,
"templateType" : "java.util.Map<String,String>
}

"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
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  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
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  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
,"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
"marshallingType" : "MAP",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of advanced options for the specified Elasticsearch domain.</p>
@<span param>options</span> Specifies the status of advanced options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : " Specifies the status of advanced options for the specified Elasticsearch domain.",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"xmlNameSpaceUri" : null,
},

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the <a href="#OptionStatus.Builder">OptionStatus.Builder</a> avoiding the need to create one manually via <a href="#OptionStatus#builder()">OptionStatus#builder()</a>. When the <a href="#OptionStatus.Builder#build()">OptionStatus.Builder#build()</a> is called immediately and its result is passed to <a href="#OptionStatus#status(OptionStatus)">OptionStatus#status(OptionStatus)</a>.<p@param>status</p> a consumer that will call methods on <a href="#OptionStatus.Builder">OptionStatus.Builder</a> and return Returns a reference to this object so that method calls can be chained together.<a href="##status(OptionStatus)">see #status(OptionStatus)</a>",
"deprecated" : false,
"documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>"
for the specified Elasticsearch domain.

@returns Returns a reference to this object so that method calls can be chained together.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getStatus()

public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getStatus()

public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

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public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getStatus()

public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getStatus()

public void setStatus(OptionStatus status)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

@returns Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.

public OptionStatus getOptionStatus()

public void setOptionStatus(OptionStatus optionStatus)

The status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.
"simple" : false,
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    "variableType" : "OptionStatus",
    "documentation" : "<p> Specifies the status of <code>OptionStatus</code> for advanced options for the specified Elasticsearch domain.</p>",
    "variableType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
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"simpleMethod" : false,
"required" : [ "Options", "Status" ],
"wrapper" : false
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    "variableName" : "advancedOptionsStatus",
    "variableType" : "AdvancedOptionsStatus",
    "documentation" : null,
    "simpleMethod" : false,
    "required" : [ "Options", "Status" ],
    "wrapper" : false
},
"BaseException" : {
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        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p>An error occurred while processing the request.</p>",
    "endpointDiscovery" : null,
    "enums" : null,
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"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
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"membersAsMap": { },
"nonStreamingMembers": [ ],
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"requestSignerClassFqcn": null,
"required": null,
"shapeName": "BaseException",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
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  "variableName": "baseException",
  "variableType": "BaseException",
  "documentation": null,
  "simpleType": "BaseException",
  "variableSetterType": "BaseException"
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  "customization": {
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    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "Container for the parameters to the \n  <code><a>CancelElasticsearchServiceSoftwareUpdate</a></code> operation. Specifies the name of the
  Elasticsearch domain that you wish to cancel a service software update on."",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
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  "locationName" : null,
  "requestUri" : "/2015-01-01/es/serviceSoftwareUpdate/cancel",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder()\}.\n\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #domainName(String)\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)\n\n\n@deprecated" : false,
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder()\}.\n\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #domainName(String)\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)\n\n@deprecated" : false,
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  "fluentGetterMethodName" : "domainName",
  "fluentSetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder()\}.\n\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #domainName(String)\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)\n\n@deprecated" : false,
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder()\}.\n\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #domainName(String)\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)\n\n@deprecated" : false,
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  "http" : {
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    "greedy" : false,
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  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
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"variable": {
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The name of the domain that you want to stop the latest service software update on.",
  "simpleType": "String",
  "variableSetterType": "String"
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"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"} },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "The name of the domain that you want to stop the latest service software update on.",
"setterMethodName": "setDomainName",
"setterModel": {
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  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The name of the domain that you want to stop the latest service software update on.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null} }],
"membersAsMap": {"DomainName": {"variableDeclarationType": "String",
"variableName": "domainName",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"} },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "The name of the domain that you want to stop the latest service software update on.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The name of the domain that you want to stop the latest service software update on.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null} ]},
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": false}
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)]
@returns Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@param domainName The name of the domain that you want to stop the latest service software update on.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@return The name of the domain that you want to stop the latest service software update on.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,

"setterDocumentation" : "The name of the domain that you want to stop the latest service software update on."

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the domain that you want to stop the latest service software update on."
},

"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "The name of the domain that you want to stop the latest service software update on.
This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #domainName(String) \}.\n\n@see #domainName(String)"
  },
  "deprecated" : false,
"documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@param domainName The name of the domain that you want to stop the latest service software update on.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@return The name of the domain that you want to stop the latest service software update on.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>
@param domainName The name of the domain that you want to stop the latest service software update on.",

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"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the domain that you want to stop the latest service software update on.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainName" ],
"shapeName" : "CancelElasticsearchServiceSoftwareUpdateRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CancelElasticsearchServiceSoftwareUpdateRequest",
  "variableName" : "cancelElasticsearchServiceSoftwareUpdateRequest",
  "variableType" : "CancelElasticsearchServiceSoftwareUpdateRequest",
  "documentation" : null,
  "simpleType" : "CancelElasticsearchServiceSoftwareUpdateRequest",
  "variableSetterType" : "CancelElasticsearchServiceSoftwareUpdateRequest"
},
"wrapper" : false
},
"CancelElasticsearchServiceSoftwareUpdateResponse" : {
  "c2jName" : "CancelElasticsearchServiceSoftwareUpdateResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
The result of a `CancelElasticsearchServiceSoftwareUpdate` operation.

Contains the status of the update.

```java
public class ServiceSoftwareOptions {
    // Implement the ServiceSoftwareOptions class
}
```
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.

setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlnsSpaceUri" : null
] },
"membersAsMap" : {
  "ServiceSoftwareOptions" : [}
"beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch service software update. This is a convenience that creates an instance of the @link ServiceSoftwareOptions.Builder avoiding the need to create one manually via @link ServiceSoftwareOptions#builder(). When the @link Consumer completes, @link ServiceSoftwareOptions.Builder#build() is called immediately and its result is passed to @link #serviceSoftwareOptions(ServiceSoftwareOptions). @param serviceSoftwareOptions a consumer that will call methods on @link ServiceSoftwareOptions.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"deprecated" : false,
"documentation" : "The current status of the Elasticsearch service software update.\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch service software update.\n@param serviceSoftwareOptions The current status of the Elasticsearch service software update.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "The current status of the Elasticsearch service software update.\n@param serviceSoftwareOptions\n@return The current status of the Elasticsearch service software update.\ngetterModel" : {
"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param
\n@name serviceSoftwareOptions
@type ServiceSoftwareOptions
@description The current status of the Elasticsearch service software update.

"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>
@type ServiceSoftwareOptions"},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
    "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
    "c2jName" : "ServiceSoftwareOptions",
    "c2jShape" : "ServiceSoftwareOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
\nThis is a convenience that creates an instance of the \{@link ServiceSoftwareOptions.Builder\} 
avoiding the need to create one manually via \{@link ServiceSoftwareOptions#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link ServiceSoftwareOptions.Builder#build()\} is called immediately and its result is passed to \{@link #serviceSoftwareOptions(ServiceSoftwareOptions)\}.\n@name serviceSoftwareOptions
@type ServiceSoftwareOptions
@description The current status of the Elasticsearch service software update.

  "deprecated" : false,
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
{ "eventHeader" : false,
 "eventPayload" : false,
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 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "serviceSoftwareOptions",
 "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.
@return Returns a reference to this object so that method calls can be chained together.",
 "fluentSetterMethodName" : "serviceSoftwareOptions",
 "getterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@return The current status of the Elasticsearch service software update.",
 "getterModel" : {
  "returnType" : "ServiceSoftwareOptions",
  "documentation" : null
 },
 "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ServiceSoftwareOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ServiceSoftwareOptions",
  "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "SDK_POJO",
 "name" : "ServiceSoftwareOptions",
 "sensitive" : false,
 "setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch service software update.",
 "setterMethodName" : "setServiceSoftwareOptions",
 "setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "variableUsage" : null
} }
"documentation": null,
"simpleType": "ServiceSoftwareOptions",
"variableSetterType": "ServiceSoftwareOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ServiceSoftwareOptions",
  "variableName": "serviceSoftwareOptions",
  "variableType": "ServiceSoftwareOptions",
  "documentation": "<p>The current status of the Elasticsearch service software update.</p>",
  "simpleType": "ServiceSoftwareOptions",
  "variableSetterType": "ServiceSoftwareOptions"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "CancelElasticsearchServiceSoftwareUpdateResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "CancelElasticsearchServiceSoftwareUpdateResponse",
  "variableName": "cancelElasticsearchServiceSoftwareUpdateResponse",
  "variableType": "CancelElasticsearchServiceSoftwareUpdateResponse",
  "documentation": null,
  "simpleType": "CancelElasticsearchServiceSoftwareUpdateResponse",
  "variableSetterType": "CancelElasticsearchServiceSoftwareUpdateResponse"
},
"wrapper": false
},
"CognitoOptions": {
  "c2jName": "CognitoOptions",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
  </p>"},
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}.\n\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to this object enabled a consumer that will call methods on \n\n@link Boolean.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #enabled(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>\nSpecifies the option to enable Cognito for Kibana authentication.\n\n@link Consumer\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "enabled",
  "getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>\n\n@link Consumer\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {  
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication. \n@param
enabled Specifies the option to enable Cognito for Kibana authentication.\n</p>
\n@param
enabled Specifies the option to enable Cognito for Kibana authentication.",
"setterMethodName" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.\n</p>\n","simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getUserPoolId",
"beanStyleSetterMethodName" : "setUserPoolId",
"c2jName" : "UserPoolId",
"c2jShape" : "UserPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder()

When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `StringPoolId(String)

@see #userPoolId(String)

@deprecated

Specifies the Cognito user pool ID for Kibana authentication.

@returns a reference to this object so that method calls can be chained together.

@see #userPoolId(String)

Specifies the Cognito user pool ID for Kibana authentication.

@returns a reference to this object so that method calls can be chained together.

@see #userPoolId(String)

Specifies the Cognito user pool ID for Kibana authentication.

@returns a reference to this object so that method calls can be chained together.

@see #userPoolId(String)

Specifies the Cognito user pool ID for Kibana authentication.
"name" : "UserPoolId",
"setterDocumentation" : "\<p\>Specifies the Cognito user pool ID for Kibana authentication.\</p\>\n@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.,
"setterMethodName" : "setUserPoolId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : "\<p\>Specifies the Cognito user pool ID for Kibana authentication.\</p\>\n@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getIdentityPoolId",
  "beanStyleSetterMethodName" : "setIdentityPoolId",
  "c2jName" : "IdentityPoolId",
  "c2jShape" : "IdentityPoolId",
  "defaultConsumerFluentSetterDocumentation" : "\<p\>Specifies the Cognito identity pool ID for Kibana authentication.\</p\>\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String.Builder() \}. \n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #identityPoolId(String) \}. \n\n@public\n\n@see #identityPoolId(String),
  "deprecated" : false,
  "documentation" : "\<p\>Specifies the Cognito identity pool ID for Kibana authentication.\</p\>",
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "identityPoolId",
  "fluentSetterDocumentation" : "\<p\>Specifies the Cognito identity pool ID for Kibana authentication.\</p\>\n@public\n\n@see #identityPoolId(String),
  "fluentSetterMethodName" : "identityPoolId"
"getterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>\n@return
Specifies the Cognito identity pool ID for Kibana authentication.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "IdentityPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "IdentityPoolId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "IdentityPoolId",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>\n@param
identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.",
"setterMethodName" : "setIdentityPoolId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "identityPoolId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "identityPoolId"}
"variableType" : "String",
"documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getRoleArn",
"beanStyleSetterMethodName" : "setRoleArn",
"c2jName" : "RoleArn",
"c2jShape" : "RoleArn",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\nThis is a convenience that creates an instance of the \{ @link String.Builder} avoiding the need to create one manually via \{ @link String#builder()}.\nWhen the \{ @link Consumer} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #roleArn(String)\}.\n@param roleArn a consumer that will call methods on \{ @link String.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #roleArn(String)\n",
"deprecated" : false,
"documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "roleArn",
"fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "roleArn",
"getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.

**roleArn**

Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.

```java
public void setRoleArn(String roleArn) {
    this.roleArn = roleArn;
}
```

**C2J**

- **C2JName**: `Enabled`
- **C2JShape**: `Boolean`
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}. When the {@link Consumer} completes, the method called is immediately and its result is passed to @link enabled(Boolean).<p>
@returns a reference to this object so that method calls can be chained together.</p>
@see #enabled(Boolean)",
"deprecated" : false,
"documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled a consumer that will call methods on @link Boolean.Builder
@returns Returns a reference to this object so that method calls can be chained together.,
"endpointDiscoveryId" : null,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@return Specifies the option to enable Cognito for Kibana authentication.",
"getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@return Specifies the option to enable Cognito for Kibana authentication.",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication."
,"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.
@see #identityPoolId(String)",
  "(endpointDiscoveryId" : "false,
  "documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@see #identityPoolId(String)"}
authentication.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "identityPoolId",
"getterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "IdentityPoolId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "IdentityPoolId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "IdentityPoolId",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication.",
"setterMethodName" : "setIdentityPoolId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "identityPoolId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "identityPoolId",
"variableType" : "String",
"documentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RoleArn" : {
"beanStyleGetterMethodName" : "getRoleArn",
"beanStyleSetterMethodName" : "setRoleArn",
"c2jName" : "RoleArn",
"c2jShape" : "RoleArn",
"defaultValueFluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>\nThis is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\n\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #roleArn(String)].\n@param roleArn a consumer that will call methods on [ @link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #roleArn(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "roleArn",
"fluentSetterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>\n@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\n@see #roleArn(String)",
"fluentSetterMethodName" : "roleArn",
"getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>\n@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.\n@see #roleArn(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RoleArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RoleArn",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RoleArn",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>

@<p>@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>.

"setterMethodName" : "setRoleArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "roleArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UserPoolId" : {
  "beanStyleGetterMethodName" : "getUserPoolId",
  "beanStyleSetterMethodName" : "setUserPoolId",
}
"c2jName" : "UserPoolId",
"c2jShape" : "UserPoolId",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #userPoolId(String)}.  
@supplier userPoolId a consumer that will call methods on { @link String.Builder} .
@returns Returns a reference to this object so that method calls can be chained together.
@see #userPoolId(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "userPoolId",
"fluentSetterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@return Specifies the Cognito user pool ID for Kibana authentication."
@returns Returns a reference to this object so that method calls can be chained together.
@see #userPoolId(String)
"getterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UserPoolId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UserPoolId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UserPoolId",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param userPoolId Specifies the Cognito user pool ID for Kibana authentication.",
"setterMethodName" : "setUserPoolId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  { "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "c2jName" : "Enabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>

This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}. When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #enabled(Boolean)}. Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : null,
"fluentSetMethodName" : null,
"fluentSetterMethodName" : null,
"map" : false,
"mapModel" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@return Specifies the option to enable Cognito for Kibana authentication.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Enabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Enabled",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"setterDocumentation" : "<p>Specifies the option to enable Cognito for Kibana authentication.</p>
@param enabled Specifies the option to enable Cognito for Kibana authentication.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"sensitive" : false,
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": "<p>Specifies the option to enable Cognito for Kibana authentication.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getUserPoolId",
"beanStyleSetterMethodName": "setUserPoolId",
"c2jName": "UserPoolId",
"c2jShape": "UserPoolId",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build} is called immediately and its result is passed to { @link #userPoolId(String)}.\n\n@see #userPoolId(String)"
",
"deprecated": false,
"documentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "userPoolId",
"fluentSetterDocumentation": "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
\n@see #userPoolId(String)"
",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "simple": true,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UserPoolId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UserPoolId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UserPoolId",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>
@param
userPoolId Specifies the Cognito user pool ID for Kibana authentication.",
"setterMethodName" : "setUserPoolId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "userPoolId",
  "variableType" : "String",
  "documentation" : "<p>Specifies the Cognito user pool ID for Kibana authentication.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNamespaceUri" : null
},
  {
    "beanStyleGetterMethodName" : "getIdentityPoolId",
    "beanStyleSetterMethodName" : "setIdentityPoolId",
    "c2jName" : "IdentityPoolId",
    "c2jShape" : "IdentityPoolId",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito identity pool ID for Kibana authentication.</p>
\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need
to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #identityPoolId(String)}`.

@param identityPoolId a consumer that will call methods on `{@link String.Builder}`

@return Returns a reference to this object so that method calls can be chained together.

@see #identityPoolId(String)
"sensitive": false,
"setterDocumentation": "<pSpecifies the Cognito identity pool ID for Kibana authentication.</p>
@param identityPoolId Specifies the Cognito identity pool ID for Kibana authentication."

"setterMethodName": "setIdentityPoolId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "identityPoolId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "identityPoolId",
  "variableType": "String",
  "documentation": "<pSpecifies the Cognito identity pool ID for Kibana authentication.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getRoleArn",
"beanStyleSetterMethodName": "setRoleArn",
"c2jName": "RoleArn",
"c2jShape": "RoleArn",
"defaultConsumerFluentSetterDocumentation": "<pSpecifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #roleArn(String)}.

@see #roleArn(String)"

"deprecated": false,
"documentation": "<pSpecifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "roleArn",
"fluentSetterDocumentation": "<pSpecifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>
  @param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources."

@returns Returns a reference to this object so that method calls can be chained together.
  @see #roleArn(String)"

"deprecated": false,
"documentation": "<pSpecifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>"
"fluentSetterMethodName" : "roleArn",
"getterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>

@return Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RoleArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RoleArn",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",

"name" : "RoleArn",
"sensitive" : false,

"setterDocumentation" : "<p>Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources.</p>

@param roleArn Specifies the role ARN that provides Elasticsearch permissions for accessing Cognito resources."

"setterMethodName" : "setRoleArn",

"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "roleArn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}

"simple" : true,
"timestampFormat" : null,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions.Builder}. When the {@link Consumer} completes, {@link CognitoOptions.Builder#build()} is called immediately and its result is passed to the Consumer. Returns a reference to this object so that method calls can be chained together.
"@param options a consumer that will call methods on the Consumer builder.
"@see #options(CognitoOptions)"
  
  "deprecated" : false,
  "documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options Specifies the Cognito options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
  "fluentSetterMethodName" : "options",
  "getterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
  "getterModel" : {
    "returnType" : "CognitoOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.

@para param options Specifies the Cognito options for the specified Elasticsearch domain.

@para setter MethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.

@para setStatus a consumer that will call methods on the Cognito options for the specified Elasticsearch domain.

@para defaultConsumerFluentSetterDocumentation" : "@para param status Returns a reference to this object so that method calls can be chained together.

This is a convenience that creates an instance of the { @link OptionStatus.Builder }) avoiding the need to create one manually via { @link OptionStatus#builder }.

When the { @link Consumer }) completes, { @link OptionStatus.Builder#build } is called immediately and its result is passed to { @link #status(OptionStatus) }.

@para see #status(OptionStatus)"},
"deprecated" : false,
"documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@return Specifies the status of the Cognito options for the specified Elasticsearch domain."
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain."
"setterMethodName" : "setStatus"
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "CognitoOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.\nThis is a convenience that creates an instance of the \{ @link CognitoOptions.Builder \} avoiding the need to create one manually via \{ @link CognitoOptions#builder() \}.\nWhen the \{ @link Consumer \} completes, \{ @link CognitoOptions.Builder#build() \} is called immediately and its result is passed to \{ @link #options(CognitoOptions) \}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(CognitoOptions)\",\n    "deprecated" : false,
    "documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>\n@param options Specifies the Cognito options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(CognitoOptions)\",\n    "fluentSetterMethodName" : "options",
    "getterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.\n"}
}
domain.</p>
@return Specifies the Cognito options for the specified Elasticsearch domain.
"getterModel" : {
    "returnType" : "CognitoOptions",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Options",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options Specifies the Cognito options for the specified Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "options",
    "variableType" : "CognitoOptions",
    "documentation" : null,
    "simpleType" : "CognitoOptions",
    "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "CognitoOptions",
    "variableName" : "options",
    "variableType" : "CognitoOptions"
"documentation": "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>", "simpleType": "CognitoOptions", "variableSetterType": "CognitoOptions" }, "xmlNameSpaceUri": null }, "Status": { "beanStyleGetterMethodName": "getStatus", "beanStyleSetterMethodName": "setStatus", "c2jName": "Status", "c2jShape": "OptionStatus", "defaultValueConsumerFluentSetterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}.\nWhen the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus.Builder#status(OptionStatus)}.\n@param status a consumer that will call methods on {@link OptionStatus.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #status(OptionStatus)"; "deprecated": false, "documentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>", "endpointDiscoveryId": false, "enumType": null, "eventHeader": false, "eventPayload": false, "fluentEnumGetterMethodName": null, "fluentEnumSetterMethodName": null, "fluentGetterMethodName": "status", "fluentSetterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>\nSpecifies the status of the Cognito options for the specified Elasticsearch domain.\n\nWhen the Consumer completes, OptionStatus.Builder#build() is called immediately and its result is passed to OptionStatus.Builder#status(OptionStatus).\n\n@param status a consumer that will call methods on OptionStatus.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see OptionStatus#status()"; "deprecated": false, "documentation": null }}, "http": { "additionalMarshallingPath": null, "additionalUnmarshallingPath": null, "flattened": false, "greedy": false, "header": false, "isPayload": false, "isStreaming": false, "location": null, "marshallLocation": "PAYLOAD"}
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"sensitive": false,
"setterDocumentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch
domain.</p>
@param status Specifies the status of the Cognito options for the specified Elasticsearch domain."

"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "complexType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch
domain.</p>"
},
"complexType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
},

"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "CognitoOptions",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Cognito options for the specified
Elasticsearch domain.</p>"
  }
],

This is a convenience that creates an instance of the {@link CognitoOptions.Builder}
avoiding the need to create one manually via "@link CognitoOptions#builder()". When the "@link Consumer" completes, "@link CognitoOptions.Builder#build()" is called immediately and its result is passed to "@link #options(CognitoOptions)".

>Returns a reference to this object so that method calls can be chained together."

"deprecated" : false,
"documentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>

>Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "options",

"getterDocumentation" : "<p>Specifies the Cognito options for the specified Elasticsearch domain.</p>

@return Specifies the Cognito options for the specified Elasticsearch domain.",

"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "/p>Specifies the Cognito options for the specified Elasticsearch domain.</p>
@param options Specifies the Cognito options for the specified Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "options",
  "variableType" : "CognitoOptions",
  "documentation" : "/p>Specifies the Cognito options for the specified Elasticsearch domain.
"simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "/p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the
{@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to
{@link OptionStatus.Builder#build()} a consumer that will call methods on
{@link OptionStatus.Builder#build()}.
@param status a consumer that will call methods on
@return Returns a reference to this object so that method calls can be chained
together.
@see #status(OptionStatus)
", "deprecated" : false,
  "documentation" : "/p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
"endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "/p>Specifies the status of the Cognito options for the specified Elasticsearch domain.
@param status Specifies the status of the Cognito options for the specified Elasticsearch
domain.
@return Returns a reference to this object so that method calls can be chained
together.
"
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p><@return Specifies the status of the Cognito options for the specified Elasticsearch domain.",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"simple" : false,
"setterDocumentation" : "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p><@param status Specifies the status of the Cognito options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus"
"variableName": "status",
"variableType": "OptionStatus",
"documentation": "<p>Specifies the status of the Cognito options for the specified Elasticsearch domain.</p>",
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
] ],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "Options", "Status" ],
"shapeName": "CognitoOptionsStatus",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "CognitoOptionsStatus",
"variableName": "cognitoOptionsStatus",
"variableType": "CognitoOptionsStatus",
"documentation": null,
"simpleType": "CognitoOptionsStatus",
"variableSetterType": "CognitoOptionsStatus"
},
"wrapper": false
},
"CompatibleVersionsMap": {
"c2jName": "CompatibleVersionsMap",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "<p> A map from an <code> <a>ElasticsearchVersion</a> </code> to a list of compatible <code> <a>ElasticsearchVersion</a> </code> s to which the domain can be upgraded. </p>".
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
    {
        "beanStyleGetterMethodName" : "getSourceVersion",
        "beanStyleSetterMethodName" : "setSourceVersion",
        "c2jName" : "SourceVersion",
        "c2jShape" : "ElasticsearchVersionString",
        "defaultConsumerFluentSetterDocumentation" : "The current version of Elasticsearch on which a domain is.
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder().
When the Consumer completes, String.Builder#build() is called immediately and its result is passed to sourceVersion(String).
@param sourceVersion a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #sourceVersion(String)",
        "deprecated" : false,
        "documentation" : "The current version of Elasticsearch on which a domain is.",
        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "sourceVersion",
        "fluentSetterDocumentation" : "The current version of Elasticsearch on which a domain is.
@param sourceVersion The current version of Elasticsearch on which a domain is.
@return Returns a reference to this object so that method calls can be chained together.",
        "fluentSetterMethodName" : "sourceVersion",
        "getterDocumentation" : "The current version of Elasticsearch on which a domain is.
@return The current version of Elasticsearch on which a domain is.",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "SourceVersion",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "SourceVersion",
            "unmarshallingLocationName" : null
        }
    }
]
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "SourceVersion",
"sensitive" : false,
"setterDocumentation" : "\n\n\n\n<p>The current version of Elasticsearch on which a domain is.</p>
\n\n\n\n@param sourceVersion The current version of Elasticsearch on which a domain is.
\n\n\n\n"setterMethodName" : "setSourceVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : "\n\n\n\n<p>The current version of Elasticsearch on which a domain is.</p>
\n\n\n\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],

"beanStyleGetterMethodName" : "getTargetVersions",
"beanStyleSetterMethodName" : "setTargetVersions",
"c2jName" : "TargetVersions",
"c2jShape" : "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object.\n\n\n\nThis is a convenience that creates an instance of the \n\n\n\n{@link List<String>.Builder} avoiding the need to create one manually via \n\n\n\n{@link List<String>#builder()}.\n\n\n\nWhen the \n\n\n\n{@link Consumer} completes, \n\n\n\n\n{@link List<String>.Builder#build()} is called immediately and its result is passed to \n\n\n\n{@link #targetVersions(List<String>)}.\n\n\n\n@param targetVersions a consumer that will call methods on \n\n\n\n{@link List<String>.Builder}\n\n\n\n\n@see #targetVersions(List<String>)",
"deprecated" : false,
"documentation" : ""}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersions",
"fluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object.
\n@\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "targetVersions",
"getterDocumentation" : "Returns the value of the TargetVersions property for this object.\n\p\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\p\n@return The value of the TargetVersions property for this object.\n",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the [\@link String.Builder] avoiding the need to create
one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.

`@param member a consumer that will call methods on {@link String.Builder}.
@returns Returns a reference to this object so that method calls can be chained together.

```
"deprecated" : false,
"documentation" : 
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null,

"memberLocationName" : null,

"memberType" : "String",

"map" : false,

"memberAdditionalMarshallingPath" : null,

"memberAdditionalUnmarshallingPath" : null,

"simple" : true,

"simpleType" : "String",

"templateImplType" : "java.util.ArrayList<String>",

"templateType" : "java.util.List<String>"
},

"map" : false,

"mapModel" : null,

"marshallingType" : "LIST",

"name" : "TargetVersions",

"sensitive" : false,

"setterDocumentation" : "Sets the value of the TargetVersions property for this object.

@param targetVersions The new value for the TargetVersions property for this object."

"setterMethodName" : "setTargetVersions",

"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>"
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : ",",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "SourceVersion" : {
    "beanStyleGetterMethodName" : "getSourceVersion",
    "beanStyleSetterMethodName" : "setSourceVersion",
    "c2jName" : "SourceVersion",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #sourceVersion(String)}.<p@param sourceVersion a consumer that will call methods on {@link String.Builder} and return a reference to this object so that method calls can be chained together.</p>

"deprecated" : false,
"documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "sourceVersion",
"fluentSetterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
"getterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SourceVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SourceVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "SourceVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>
@param
sourceVersion The current version of Elasticsearch on which a domain is.",
"setterMethodName" : "setSourceVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : "<p>The current version of Elasticsearch on which a domain is.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"TargetVersions" : {
  "$beanStyleGetterMethodName" : "getTargetVersions",
"beanStyleSetterMethodName" : "setTargetVersions",
"c2jName" : "TargetVersions",
"c2jShape" : "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object. This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #targetVersions(List<String>)}.\n\n@param targetVersions a consumer that will call methods on {@link List<String>.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #targetVersions(List<String>)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersions",
"fluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object. The new value for the TargetVersions property for this object so that method calls can be chained together."
"getterDocumentation" : "Returns the value of the TargetVersions property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. The value of the TargetVersions property for this object."
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [{@link String.Builder}] avoiding the need to create one manually via [{@link String.Builder}].
When the [{@link Consumer}] completes, [{@link String.Builder#build}] is called immediately and its result is passed to [{@link #member(String)}].
@param member a consumer that will call methods on [{@link String.Builder}]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)",
    "deprecated" : false,
    "documentation" : ",",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object."
  @return The value of the Member property for this object.
  @see #member(String)
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "statusText" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.

@param
targetVersions The new value for the TargetVersions property for this object.",
"setterMethodName" : "setTargetVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "targetVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getSourceVersion",
    "beanStyleSetterMethodName" : "setSourceVersion",
    "c2jName" : "SourceVersion",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "The current version of Elasticsearch on which a domain is.
<p>The current version of Elasticsearch on which a domain is.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, the builder is called immediately and its result is passed to {@link #sourceVersion(String)}. Returns a reference to this object so that method calls can be chained together.

@see #sourceVersion(String)",
  "deprecated" : false,
  "documentation" : "The current version of Elasticsearch on which a domain is.
<p>The current version of Elasticsearch on which a domain is.</p>

When the Consumer completes, the builder is called immediately and its result is passed to {@link #sourceVersion(String)}. Returns a reference to this object so that method calls can be chained together.

@see #sourceVersion(String)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetMethodMethodName" : "sourceVersion",
  "fluentSetterMethodName" : "sourceVersion",
  "fluentSetterDocumentation" : "The current version of Elasticsearch on which a domain is.
<p>The current version of Elasticsearch on which a domain is.</p>

When the Consumer completes, the builder is called immediately and its result is passed to {@link #sourceVersion(String)}. Returns a reference to this object so that method calls can be chained together.

@see #sourceVersion(String)"}
sourceVersion The current version of Elasticsearch on which a domain is.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "sourceVersion",
"getterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>

@returns The current version of Elasticsearch on which a domain is.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SourceVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SourceVersion",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "SourceVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current version of Elasticsearch on which a domain is.</p>

@returns The current version of Elasticsearch on which a domain is.

"setterMethod_name" : "setSourceVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,


"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "sourceVersion",
  "variableType" : "String",
  "documentation" : "The current version of Elasticsearch on which a domain is.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getTargetVersions",
"beanStyleSetterMethodName" : "setTargetVersions",
"c2jName" : "TargetVersions",
"c2jShape" : "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object. This is a convenience that creates an instance of the {@link List<String>>.Builder} avoiding the need to create one manually via {@code List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>#builder()} is called immediately and its result is passed to {@link List<String>#targetVersions(List<String>)}.\n\n@see #targetVersions(List<String>)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersions",
"fluentSetterDocumentation" : "Sets the value of the TargetVersions property for this object. The new value for the TargetVersions property for this object so that method calls can be chained together."
"fluentSetterMethodName" : "targetVersions",
"getterDocumentation" : "Returns the value of the TargetVersions property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. The value of the TargetVersions property for this object.",

"getterModel" : {
  "returnType" : "java.util.List<String>>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the \[\@link String.Builder\] avoiding the need to create
one manually via \{\@link String#builder()\}. \nWhen the \{\@link Consumer\} completes, \{\@link String.Builder#build()\}
is called immediately and its result is passed to \{\@link #member(String)\}. \n
\@param member a consumer that will call methods on \{\@link String.Builder\}\n\@return Returns a reference to this object so that method calls can be chained together. \n\@see #member(String)\",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n\@param member The new value for the Member property for this object.\n\@return Returns a reference to this object so that method calls can be chained together.\"",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\@return The value of the Member property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : "null"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
}"xmlNameSpaceUri" : null}
,"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TargetVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the TargetVersions property for this object.\n
@param targetVersions The new value for the TargetVersions property for this object."
,"setterMethodName" : "setTargetVersions",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "targetVersions",
 "variableType" : "java.util.List<String>",
 "documentation" : null,
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<String>",
 "variableName" : "targetVersions",
 "variableType" : "java.util.List<String>",
 "documentation" : "",
 "simpleType" : "List<String>",
 "variableSetterType" : "java.util.Collection<String>"
 },
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "CompatibleVersionsMap",
"simpleMethod" : false,
"unmarshaller" : {
 "flattened" : false,
 "resultWrapper" : null
 },
"variable" : {
 "variableDeclarationType" : "CompatibleVersionsMap",
"requestSignerAware" : false,
"variableName" : "compatibleVersionsMap",
"variableType" : "CompatibleVersionsMap",
"documentation" : null,
"simpleType" : "CompatibleVersionsMap",
"variableSetterType" : "CompatibleVersionsMap"
]},
"wrapper" : false
],
"CreateElasticsearchDomainRequest" : {
"c2jName" : "CreateElasticsearchDomainRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "CreateElasticsearchDomain",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/domain",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link
String.Builder#build()} is called immediately and its result is passed to {
@link #domainName(String)}.

@param domainName a consumer that will call methods on {
@link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

"deprecated" : false,

"documentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

@endparam
domainName a consumer that will call methods on {
@link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "domainName",

"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

@param domainName The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainName",

"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@return The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

"getterModel" : {

"returnType" : "String",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "DomainName",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "DomainName",

"uri" : false
},

"isStreaming" : false,

"isXmlHttpRequest" : false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href=\"http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createdomains.html\#es-createdomains\" target=_blank\">Creating ElasticSearch Domains</a> in the Amazon Elasticsearch Service Developer Guide\</i>."}
the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link #elasticsearchVersion(String)] is called immediately and its result is passed to [@link #elasticsearchVersion(String)].

@para elasticsearchVersion a consumer that will call methods on [String]

@para return Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchVersion(String)

"deprecated" : false,
"documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide</p>.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",

"fluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide</p>.

itizer returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide</p>.

"getModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;String of format X.Y to specify version for the Elasticsearch domain eg. "1.5" or "2.3". For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank"&gt;Creating Elasticsearch Domains&lt;/a&gt; in the &lt;i&gt;Amazon Elasticsearch Service Developer Guide&lt;/i&gt;.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. This is a convenience that creates an instance of the `ElasticsearchClusterConfig.Builder` avoiding the need to create one manually via `ElasticsearchClusterConfig#builder()`. When the `Consumer` completes, `ElasticsearchClusterConfig.Builder#build()` is called immediately and its result is passed to a consumer that will call methods on `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`. A consumer that will call methods on `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`.

When the `Consumer` completes, `ElasticsearchClusterConfig.Builder#build()` is called immediately and its result is passed to a consumer that will call methods on `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`.

```
@link ElasticsearchClusterConfig.Builder#build()
```

**Parameters:**

- `elasticsearchClusterConfig`:
  - Type: `Consumer` (a consumer that will call methods on `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`)
  - Description: A consumer that will call methods on `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`.

**Return Value:**

- `null`:
  - Type: `null`
  - Description: A reference to this object so that method calls can be chained together.

**See Also:**

- `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`

```java
@link ElasticsearchClusterConfig.Builder#build()
```

**Documentation:**

- `null`:
  - Type: `null`
  - Description: A reference to this object so that method calls can be chained together.

**See Also:**

- `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`

```java
@link ElasticsearchClusterConfig.Builder#build()
```

**HttpContext:**

- `null`:
  - Type: `null`
  - Description: A reference to this object so that method calls can be chained together.

**See Also:**

- `ElasticsearchClusterConfig.ElasticsearchClusterConfig(Consumer consumer)`

```java
@link ElasticsearchClusterConfig.Builder#build()
```
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchClusterConfig",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : null,
"simpleType" : "ElasticsearchClusterConfig",
"variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchClusterConfig",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
"simpleType" : "ElasticsearchClusterConfig",
"variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>"

This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}.

When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.

@param ebsOptions a consumer that will call methods on {@link EBSOptions.Builder}
@return Returns a reference to this object so that method calls can be chained
together.

@see #ebsOptions(EBSOptions)

"deprecated" : false,
"documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "ebsOptions",
"getterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.
@return Options to enable, disable and specify the type and size of EBS storage volumes.
</p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.

"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.
</p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.

"setterModel" : {
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "Options to enable, disable and specify the type and size of EBS storage volumes.
  <p>\nThis is a convenience that creates an instance of the \{<link String.Builder>\} avoiding the need to create one manually via \{<link String#builder()>\}.\nWhen the \{<link Consumer>\} completes, \{<link String.Builder#build()>\} is called immediately and its result is passed to \{<link #accessPolicies(String)>\}.\n\n@param accessPolicies a consumer that will call methods on \{<link String.Builder>\}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #accessPolicies(String)",
  "deprecated" : false,
  "documentation" : "IAM access policy as a JSON-formatted string.\n\n"endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.\n\n\n@param accessPolicies IAM access policy as a JSON-formatted string.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #accessPolicies(String)",
  "getterDocumentation" : "IAM access policy as a JSON-formatted string.\n\n\n@see #accessPolicies(String)"
},
"getterModel" : {"xmlNameSpaceUri" : null}
"returnType": "String",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AccessPolicies",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AccessPolicies",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "AccessPolicies",
"sensitive": false,
"setterDocumentation": "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies
IAM access policy as a JSON-formatted string.
"setterMethodName": "setAccessPolicies",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "accessPolicies",
  "variableType": "String",
  "documentation": "<p> IAM access policy as a JSON-formatted string.</p>
", "simpleType": "String"}
"variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions",
  "c2jShape" : "SnapshotOptions",
  "defaultConsumerFluentSetterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. This is a convenience that creates an instance of the \{@link SnapshotOptions.Builder\} avoiding the need to create one manually via \{@link SnapshotOptions#builder()\}. When the \{@link Consumer\} completes, \{@link SnapshotOptions.Builder#build()\} is called immediately and its result is passed to \{@link #snapshotOptions(SnapshotOptions)\}.\n\n@see SnapshotOptions(SnapshotOptions)"
  "deprecated" : false,
  "documentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "snapshotOptions",
  "fluentSetterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\n\n@see SnapshotOptions(SnapshotOptions)"
  "getterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.\n\n@return Returns a reference to this object so that method calls can be chained together."
  "getterModel" : {
      "returnType" : "SnapshotOptions",
      "documentation" : null
  },
  "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {

"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>

"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC
Endpoints for Amazon Elasticsearch Service Domains</i> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Returns a reference to this object so that method calls can be chained together.

Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Returns a reference to this object so that method calls can be chained together.

Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Returns a reference to this object so that method calls can be chained together.

Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Returns a reference to this object so that method calls can be chained together.

Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Returns a reference to this object so that method calls can be chained together.

Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i> Returns a reference to this object so that method calls can be chained together.
"marshallLocationName": "VPCOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VPCOptions",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "VPCOptions",
"sensitive": false,
"setterDocumentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc).",
"setterMethodName": "setVpcOptions",
"setterModel": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": null,
  "simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": null,
  "simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
},
"xmlNameSpaceUri": null,
},
"beanStyleGetterMethodName": "getCognitoOptions"
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) when the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

When the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

```java
@see #cognitoOptions(CognitoOptions)
```

The [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

```java
@see #cognitoOptions(CognitoOptions)
```

For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```
"defaultConsumerFluentSetterDocumentation" : 
"<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) when the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

When the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

```

```
"deprecated" : false,

```

```
"documentation" : 
"<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) when the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

When the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

```

```
"endpointDiscoveryId" : false,

```

```
"enumType" : null,

```

```
"eventHeader" : false,

```

```
"eventPayload" : false,

```

```
"fluentEnumGetterMethodName" : null,

```

```
"fluentEnumSetterMethodName" : null,

```

```
"fluentGetterMethodName" : "cognitoOptions",

```

```
"fluentSetterMethodName" : "cognitoOptions",

```

```
"getterDocumentation" : 
"<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) when the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

When the Consumer completes, [CognitoOptions.Builder#build()](https://aws-sdk/client-kibana/build.html#build) is called immediately and its result is passed to [cognitoOptions(CognitoOptions)](https://aws-sdk/client-kibana/cognitoOptions.html).

```

```
"getterModel" : {

```
"returnType" : "CognitoOptions",

```

```
"documentation" : null
}

```

```
"http" : {

```
"additionalMarshallingPath" : null,

```

```
"additionalUnmarshallingPath" : null,

```

```
"flattened" : false,

```

```
"greedy" : false,

```

```
"header" : false,

```

```
"isPayload" : false,

```

```
"isPayloadSpecialType" : false,

```

```
"keyName" : "cognitoOptions",

```

```
"name" : "CognitoOptions",

```

```
"shapeName" : "CognitoOptions",

```

```
"superModel" : null,

```

```
"superType" : null,

```

```
"transient" : false,

```

```
"transparent" : false,

```

```
"additionalMarshallingPath" : null,

```

```
"additionalUnmarshallingPath" : null,

```

```
"flattened" : false,

```

```
"greedy" : false,

```

```
"header" : false,

```

```
"isPayload" : false,

```

```
"isPayloadSpecialType" : false,

```

```
"keyName" : "cognitoOptions",

```

```
"name" : "CognitoOptions",

```

```
"shapeName" : "CognitoOptions",

```

```
"superModel" : null,

```

```
"superType" : null,

```

```
"transient" : false,

```

```
"transparent" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : null,
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "CognitoOptions",
"variableName" : "cognitoOptions",
"variableType" : "CognitoOptions",
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null}
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
This is a convenience that creates an instance of the { @link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}.\n
When the { @link Consumer} completes, { @link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to { @link #encryptionAtRestOptions(EncryptionAtRestOptions)}.\n
@deprecate” : false,
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>
endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>
"@param encryptionAtRestOptions Specifies the Encryption At Rest Options.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #encryptionAtRestOptions(EncryptionAtRestOptions)",
"deprecated" : false,
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
Specifies the Encryption At Rest Options.

@receiver @param encryptionAtRestOptions Specifies the Encryption At Rest Options.

@receiver @param nodeToNodeEncryptionOptions a consumer that will call methods on NodeToNodeEncryptionOptions.Builder

This is a convenience that creates an instance of the NodeToNodeEncryptionOptions.Builder avoiding the need to create one manually via NodeToNodeEncryptionOptions.Builder\().\n\nWhen the Consumer completes, NodeToNodeEncryptionOptions.Builder\#build() is called immediately and its result is passed to NodeToNodeEncryptionOptions a consumer that will call methods on NodeToNodeEncryptionOptions.Builder\()\n
@return Returns a reference to this object so that method calls can be chained together.

@see NodeToNodeEncryptionOptions\(\)
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation": "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "nodeToNodeEncryptionOptions",
"getterDocumentation": "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@return Specifies the NodeToNodeEncryptionOptions.",
"getterModel": {
  "returnType": "NodeToNodeEncryptionOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NodeToNodeEncryptionOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NodeToNodeEncryptionOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "NodeToNodeEncryptionOptions",
"setterDocumentation": "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Specifies the NodeToNodeEncryptionOptions.",
"setterMethodName": "setNodeToNodeEncryptionOptions",
"setterModel": {
  "variableDeclarationType": "NodeToNodeEncryptionOptions",
  "variableName": "nodeToNodeEncryptionOptions",
  "variableType": "NodeToNodeEncryptionOptions",
  "documentation": null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target=_blank>Configuration Advanced Options</a> for more information.</p>
This is a convenience that creates an instance of the Map\<String, String\>\.Builder\ avoiding the need to create one manually via \{ \link Map\<String, String\>\#builder\}\. When the \{ \link Consumer\} completes, \{ \link Map\<String, String\>\.Builder\#build\}\ is called immediately and its result is passed to \{ \link \param advancedOptions\ a consumer that will call methods on \{ \link Map\<String, String\>\.Builder\}\ returned \} to this object so that method calls can be chained together. \see \param advancedOptions(Map\<String, String\>)\",
"deprecated" : false,
"documentation" : "<p>Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target=_blank>Configuration Advanced Options</a> for more information.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target=_blank>Configuration Advanced Options</a> for more information.</p>",
"fluentSetterDocumentation" : "<p>Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target=_blank>Configuration Advanced Options</a> for more information.</p>"
in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

:return Returns a reference to this object so that method calls can be chained together."

"getterSetterMethodName" : "advancedOptions",

"getterDocumentation" : "&lt;p&gt; Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. &lt;/p&gt;&lt;p&gt;&lt;/p&gt;&lt;/p&gt;

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

:return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "getterSetterMethodName" : "key",
    "getterDocumentation" : "&lt;p&gt; Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. &lt;/p&gt;&lt;p&gt;&lt;/p&gt;&lt;/p&gt;

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

:return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "getterSetterMethodName" : "key",
    "getterDocumentation" : "&lt;p&gt; Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. &lt;/p&gt;&lt;p&gt;&lt;/p&gt;&lt;/p&gt;

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

:return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "getterSetterMethodName" : "key",
    "getterDocumentation" : "&lt;p&gt; Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. &lt;/p&gt;&lt;p&gt;&lt;/p&gt;&lt;/p&gt;

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

:return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "getterSetterMethodName" : "key",
    "getterDocumentation" : "&lt;p&gt; Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. &lt;/p&gt;&lt;p&gt;&lt;/p&gt;&lt;/p&gt;

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

:return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String.Builder().\nWhen the {@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link String#builder()).\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see \#key(String)"
",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n
\n\n@return Returns a reference to this object so that method calls can be chained together."
",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\n@return The value of the Key property for this object."
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : 
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String.Builder}. When the {link Consumer} completes, {link String.Builder} is called immediately and its result is passed to {link String.Builder}. Returns a reference to this object so that method calls can be chained together.

@see #value(String)
",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.  
@returns {value} The new value for the Value property for this object."

"fluentSetterMethodName" : "value",
"getterDocumentation" : "Retrieves the value of the Value property for this object."

"getterModel" : {
"returnType" : "String",
"documentation" : null
}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"setterDocumentation" : "Sets the value of the Value property for this object."

"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "value",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "AdvancedOptions",
"sensitive": false,
"setterDocumentation": "<p>Option to allow references to indices in an HTTP request body. Must be true when configuring access to individual sub-resources. By default, the value is true. See [Configuration Advanced Options](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options) for more information.</p>

@param advancedOptions Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See [Configuration Advanced Options](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options) for more information.",
"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "advancedOptions",
  "variableType": "java.util.Map<String,String>",
  "documentation": "<p>Option to allow references to indices in an HTTP request body. Must be false when configuring access to individual sub-resources. By default, the value is true. See [Configuration Advanced Options](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options) for more information.</p>"
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\nThis is a convenience that creates an instance of the \n[link Map<String,LogPublishingOption>.Builder] avoiding the need to create one manually via \n[link Map<String,LogPublishingOption>.Builder#builder()].\nWhen the [\n@link Consumer] completes, \n[link Map<String,LogPublishingOption>.Builder#build()] is called immediately and its result is passed to \n[link LogPublishingOptionsAsStrings(Map<String,LogPublishingOption>)].\n@param logPublishingOptions a consumer that will call methods on \n[link Map<String,LogPublishingOption>.Builder]\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"getterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #keyAsString(String)].\n\n@returns a reference to this object so that method calls can be chained together.@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : "LogType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "key",
    "fluentEnumSetterMethodName" : "key",
    "fluentGetterMethodName" : "keyAsString",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThe new value for the Key property for this object.@see LogType\n\n@returns a reference to this object so that method calls can be chained together.@see LogType",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Retruns the value of the Key property for this object.@n\nIf the service returns an enum value that is not available in the current SDK version, [@link #key] will return [@link LogType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #keyAsString].\n\n@returns The value of the Key property for this object.@see LogType"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "",
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "key",
        "variableType" : "String",
        "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "value",
"c2jShape" : "LogPublishingOption",
"defaultValueFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the { @link LogPublishingOption.Builder} avoiding the need to create one manually via { @link LogPublishingOption#builder()}. When the { @link Consumer} completes, { @link LogPublishingOption.Builder#build()} is called immediately and its result is passed to { @link LogPublishingOption.Builder}.\n
@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

This will call methods on { @link LogPublishingOption.Builder}.

@see #value(LogPublishingOption)",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

\n\n\n\n\n@see #value(LogPublishingOption)",
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",

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"queryString" : false,
"statusCode" : false,
"unmarshalLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object. \n\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."}
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "Map of \texttt{LogType} and \texttt{LogPublishingOption}, each containing options to publish a given type of Elasticsearch log.\textendash;",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "AccessPolicies" : {
    "beanStyleGetterMethodName" : "getAccessPolicies",
    "beanStyleSetterMethodName" : "setAccessPolicies",
    "c2jName" : "AccessPolicies",
    "c2jShape" : "PolicyDocument",
    "defaultConsumerFluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "deprecated" : false,
    "documentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "accessPolicies",
    "fluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "fluentSetterMethodName" : "accessPolicies",
    "getterDocumentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "param accessPolicies I AM access policy as a JSON-formatted string.\textendash;": "IAM access policy as a JSON-formatted string.\textendash;",
    "return Returns a reference to this object so that method calls can be chained together.\textendash;",
    "see #accessPolicies(String)",
    "deprecated" : false,
    "documentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "accessPolicies",
    "fluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "fluentSetterMethodName" : "accessPolicies",
    "getterDocumentation" : "IAM access policy as a JSON-formatted string.\textendash;",
    "param accessPolicies IAM access policy as a JSON-formatted string.\textendash;": "IAM access policy as a JSON-formatted string.\textendash;",
    "return Returns a reference to this object so that method calls can be chained together.\textendash;",
    "see #accessPolicies(String)"
policy as a JSON-formatted string.

`getterModel` : {
  "returnType" : "String",
  "documentation" : null
},
`http` : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AccessPolicies",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccessPolicies",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies
IAM access policy as a JSON-formatted string.

`setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String"
"documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
This is a convenience that creates an instance of the [Map<String,String>:Builder] avoiding the need to create one manually via Map<String,String>::builder().
When the Consumer completes, an @link Map<String,String:Builder> is called immediately and its result is passed to an @link Map<String,String:Builder> a consumer that will call methods on an @link Map<String,String:Builder> and returns a reference to this object so that method calls can be chained together.

@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
@endcode;";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
@see #advancedOptions(Map<String,String>)",
"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is
<code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String#builder()\}. When the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #key(String)\}. @param key a consumer that will call methods on \{ @link String.Builder\} @return Returns a reference to this object so that method calls can be chained
"}
together.

@see #key(String)

"deprecated" : false,
"documentation" : ",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object."
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #value(String). @param value a consumer that will call methods on @link String.Builder\n\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object.",
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.,
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : ""
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
",
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be 
<code>false</code> when configuring access to individual sub-resources. By default, the value is 
<code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration
Advanced Options</a> for more information.</p>&lt;param advancedOptions Option to allow references to indices in an HTTP request body. Must be 
<code>false</code> when configuring access to individual sub-resources. By 
default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-
service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" 
target="_blank">Configuration Advanced Options</a> for more information.",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,String>",
"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "Option to allow references to indices in an HTTP request body. Must be 
<code>false</code> when configuring access to individual sub-resources. By default, the value is 
<code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-
createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration
Advanced Options</a> for more information.</p>&lt;param advancedOptions Option to allow references to indices in an HTTP request body. Must be 
<code>false</code> when configuring access to individual sub-resources. By 
default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-
service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" 
target="_blank">Configuration Advanced Options</a> for more information.",
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"CognitoOptions" : {
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"xmlNameSpaceUri" : null
}.
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",
"defaultConsumerFluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()}. When the {@link Consumer} completes, { @link CognitoOptions.Builder#build()} is called immediately and its result is passed to { @link CognitoOptions(CognitoOptions)}. @param cognitoOptions a consumer that will call methods on { @link CognitoOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #cognitoOptions(CognitoOptions)",
"deprecated" : false,
"documentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

}"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "CognitoOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CognitoOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
"sensitive": false,
"setterDocumentation": "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>\n@param

cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.,",
"setterMethodName": "setCognitoOptions",
"setterModel": {
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  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
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  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"xmlNameSpaceUri": null,
"DomainName": {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String#build() is called immediately and its result is passed to the domainName(String) method. A consumer that will call methods on String.Builder\n\n@Deprecated
@see #domainName(String)",
"deprecated" : false,
"documentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n@Deprecated
@see #domainName(String)",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n@Deprecated
@see #domainName(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@param domainName
The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"EBSOptions" : {
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes. This is a convenience that creates an instance of the \[@link EBSOptions.Builder\] avoiding the need to create one manually via \[@link EBSOptions#builder()\]. When the \[@link Consumer\] completes, \[@link EBSOptions.Builder#build()\] is called immediately and its result is passed to \[@link #ebsOptions(EBSOptions)\]. \n  @param ebsOptions a consumer that will call methods on \[@link EBSOptions.Builder\]\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #ebsOptions(EBSOptions)",
  "deprecated" : false,
  "documentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.\n  \n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #ebsOptions(EBSOptions)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "ebsOptions",
  "fluentSetterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.\n  @param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #ebsOptions(EBSOptions)",
  "fluentSetterMethodName" : "ebsOptions",
  "getterDocumentation" : "<p>Options to enable, disable and specify the type and size of EBS storage volumes.\n  @return Options to enable, disable and specify the type and size of EBS storage volumes.\n  @see #ebsOptions(EBSOptions)",
  "getterModel" : {
    "returnType" : "EBSOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EBSOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EBSOptions",
    "uri" : false
  }
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "Options to enable, disable and specify the type and size of EBS storage volumes."
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes."

"setterMethodName" : "setEbsOptions",
"setterModel" : {
 "variableDeclarationType" : "EBSOptions",
 "variableName" : "ebsOptions",
 "variableType" : "EBSOptions",
 "documentation" : null,
 "simpleType" : "EBSOptions",
 "variableSetterType" : "EBSOptions"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "EBSOptions",
 "variableName" : "ebsOptions",
 "variableType" : "EBSOptions",
 "documentation" : "Options to enable, disable and specify the type and size of EBS storage volumes."
 },
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
 "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
 "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
 "c2jName" : "ElasticsearchClusterConfig",
 "c2jShape" : "ElasticsearchClusterConfig",
 "defaultConsumerFluentSetterDocumentation" : "Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster."
This is a convenience that creates an instance of the (@link ElasticsearchClusterConfig.Builder) avoiding the need to create one manually via (@link ElasticsearchClusterClusterConfig#builder). When the (@link Consumer) completes, (@link ElasticsearchClusterConfig.Builder#build) is called immediately and its result is passed to (@link ElasticsearchClusterClusterConfig) a consumer that will call methods on (@link ElasticsearchClusterClusterConfig.Builder) a return. Returns a reference to this object so that method calls can be chained together.(@link see ElasticsearchClusterClusterConfig(ElasticsearchClusterClusterConfig))",
 "deprecated" : false,
"documentation": "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchClusterConfig",
"fluentSetterDocumentation": "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "elasticsearchClusterConfig",
"getterDocumentation": "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>
@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.",
"getterModel": {
"returnType": "ElasticsearchClusterConfig",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ElasticsearchClusterConfig",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ElasticsearchClusterConfig",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ElasticsearchClusterConfig",
"sensitive": false,
"setterDocumentation": "<p>Configuration options for an Elasticsearch domain. Specifies the instance type
and number of instances in the domain cluster. 

```java
public ElasticsearchVersion(String elasticsearchVersion) {
    this.elasticsearchVersion = elasticsearchVersion;
}
```

For more information, see [Creating Elasticsearch Domains](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains) in the Amazon Elasticsearch Service Developer Guide.

```java
public static void main(String[] args) {
    ElasticsearchVersion version = new ElasticsearchVersion("1.5.0");
}
```

And number of instances in the domain cluster.

```java
public void setElasticsearchClusterConfig(ElasticsearchClusterConfig clusterConfig) {
    this.elasticsearchClusterConfig = clusterConfig;
}
```

For more information, see [Elasticsearch Cluster Configurations](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cluster-configuration.html) in the Amazon Elasticsearch Service Developer Guide.
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "\"String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains\" target="_blank\"\>Creating Elasticsearch Domains</a> in the \<i>Amazon Elasticsearch Service Developer Guide</i>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\"",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "\"String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains\" target="_blank\"\>Creating Elasticsearch Domains</a> in the \<i>Amazon Elasticsearch Service Developer Guide</i>.\n\n@return String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see \<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains\" target="_blank\"\>Creating Elasticsearch Domains</a> in the \<i>Amazon Elasticsearch Service Developer Guide</i>.\",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType": "STRING",
"name": "ElasticsearchVersion",
"sensitive": false,
"setterDocumentation": "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.",
"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": "<p>String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the <i>Amazon Elasticsearch Service Developer Guide</i>.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"EncryptionAtRestOptions": {
  "beanStyleGetterMethodName": "getEncryptionAtRestOptions",
  "beanStyleSetterMethodName": "setEncryptionAtRestOptions",
  "c2jName": "EncryptionAtRestOptions",
  "c2jShape": "EncryptionAtRestOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Encryption At Rest Options.</p>
  <p>This is a convenience that creates an instance of the { @link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via { @link EncryptionAtRestOptions.Builder}(). When the { @link Consumer} completes, { @link EncryptionAtRestOptions.Builder} is called immediately and its result is passed to { @link EncryptionAtRestOptions(EncryptionAtRestOptions)} a consumer that will call methods on { @link EncryptionAtRestOptions.Builder}(). Returns a reference to this object so that method calls can be chained together. @see #encryptionAtRestOptions(EncryptionAtRestOptions)",
  "deprecated": false,
"documentation": "<p>Specifies the Encryption At Rest Options.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "encryptionAtRestOptions",
"fluentSetterDocumentation": "<p>Specifies the Encryption At Rest Options.</p>@param encryptionAtRestOptions Specifies the Encryption At Rest Options.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "encryptionAtRestOptions",
"getterDocumentation": "<p>Specifies the Encryption At Rest Options.</p>@return Specifies the Encryption At Rest Options.",
"getterModel": {
  "returnType": "EncryptionAtRestOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "EncryptionAtRestOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "EncryptionAtRestOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the Encryption At Rest Options.</p>@param encryptionAtRestOptions Specifies the Encryption At Rest Options.",
"setterMethodName": "setEncryptionAtRestOptions",
"setterModel": {}
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null,
"LogPublishingOptions" : {
"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "\n\n\n<br>&lt;p&gt;Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;&lt;\p&gt;
\nThis is a convenience that creates an instance of the {@link Map&lt;String,LogPublishingOption&gt;}.Builder} avoiding the need to create one manually via {@link Map&lt;String,LogPublishingOption&gt;#builder()}.\n\nWhen the {@link Consumer} completes, {@link Map&lt;String,LogPublishingOption&gt;#builder()} is called immediately and its result is passed to {@link #logPublishingOptionsAsStrings(Map&lt;String,LogPublishingOption&gt;)}.\n\n@param logPublishingOptions a consumer that will call methods on {@link Map&lt;String,LogPublishingOption&gt;}.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #logPublishingOptionsWithStrings(Map&lt;String,LogPublishingOption&gt;)",
"deprecated" : false,
"documentation" : "\n\n\n&lt;p&gt;Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;&lt;\p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "\n\n\n&lt;p&gt;Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;&lt;\p&gt;\n\n@param logPublishingOptions Map of &lt;code&gt;LogType&lt;/code&gt; and &lt;code&gt;LogPublishingOption&lt;/code&gt;, each containing options to publish a given type of Elasticsearch log.&lt;/p&gt;&lt;\p&gt;\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "logPublishingOptionsWithStrings",
"getterDocumentation": "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
",
"getterModel": {
"returnType": "java.util.Map<String,LogPublishingOption>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "LogPublishingOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "LogPublishingOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
"keyType": "java.util.HashMap",
"interfaceType": "java.util.Map",
"keyLocationName": "key",
"keyModel": {
"beanStyleGetterMethodName": "getKeyAsString",
"beanStyleSetterMethodName": "setKey",
"c2jName": "key",
"c2jShape": "LogType",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.

When the {link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {link #keyAsString(String)}.

@see #key(String)
",
"deprecated": false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@see LogType\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, \n{@link #key} will return \n{@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from \n{@link #keyAsString}.\n\n@see LogType",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "key",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "key",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@see LogType"
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.
This is a convenience that creates an instance of the { @link LogPublishingOption.Builder} avoiding the need to create one manually via { @link LogPublishingOption#builder()}. When the { @link Consumer} completes, { @link LogPublishingOption.Builder#build()} is called immediately and its result is passed to { @link LogPublishingOption}. @param value a consumer that will call methods on { @link LogPublishingOption.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #value(LogPublishingOption)"
,
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.
The new value for the Value property for this object.@return Returns a reference to this object so that method calls can be chained together."
,
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.@return The value of the
Value property for this object.

"getterModel" : {
    "returnType" : "LogPublishingOption",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Value",

"sensitive" : false,

"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n\n@returns {LogPublishingOption} The new value for the Value property for this object.\n",

"setterMethodName" : "setValue",

"setterModel" : {
    "variableDeclarationType" : "LogPublishingOption",
    "variableName" : "value",
    "variableType" : "LogPublishingOption",
    "documentation" : null,
    "simpleType" : "LogPublishingOption",
    "variableSetterType" : "LogPublishingOption"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
    "variableDeclarationType" : "LogPublishingOption",
    "variableName" : "value",
    "variableType" : "LogPublishingOption"}
"documentation" : "",
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String, LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."
,"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String, LogPublishingOption>",
"variableName" : "logPublishingOptions",
"variableType" : "java.util.Map<String, LogPublishingOption>",
"documentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log."
,"simpleType" : "Map<String, LogPublishingOption>",
"variableSetterType" : "java.util.Map<String, LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
"NodeToNodeEncryptionOptions" : {
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions. This is a convenience that creates an instance of the NodeToNodeEncryptionOptions.Builder avoiding the need to create one manually via NodeToNodeEncryptionOptions#builder(). When the Consumer completes, NodeToNodeEncryptionOptions.Builder#build() is called immediately and its result is passed to NodeToNodeEncryptionOptions.Builder#build()
"}
@param nodeToNodeEncryptionOptions a consumer that will call methods on {@link NodeToNodeEncryptionOptions.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)

"deprecated": false,
"documentation": "<p>Specifies the NodeToNodeEncryptionOptions.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation": "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.
@return Returns a reference to this object so that method calls can be chained together.

"getterModel": {
"returnType": "NodeToNodeEncryptionOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "NodeToNodeEncryptionOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NodeToNodeEncryptionOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "NodeToNodeEncryptionOptions",}
"setterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions."
,"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
}.
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
  "beanStyleGetterMethodName" : "getSnapshotOptions",
  "beanStyleSetterMethodName" : "setSnapshotOptions",
  "c2jName" : "SnapshotOptions",
  "c2jShape" : "SnapshotOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily
automated snapshot. Default value is 0 hours. </p>
This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}.\nWhen the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to {@link #snapshotOptions(SnapshotOptions)}.\n@see #snapshotOptions(SnapshotOptions)"
,"deprecated" : false,
"documentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0
hours. </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot.
Default value is 0 hours. @param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. @return Returns a reference to this object so that method calls can be chained together.
}

"fluentSetterMethodName" : "snapshotOptions",
"getterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."

@return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.

getterModel" : {
 "returnType" : "SnapshotOptions",
 "documentation" : null
},

http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "SnapshotOptions",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SnapshotOptions",
 "uri" : false
},

idempotencyToken" : false,

isBinary" : false,

jsonData" : false,

list" : false,

listModel" : null,

map" : false,

mapModel" : null,

marshallingType" : "SDK_POJO",

name" : "SnapshotOptions",

simpleType" : false,

setterDocumentation" : "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."

setterMethodName" : "setSnapshotOptions",

setterModel" : {
 "variableDeclarationType" : "SnapshotOptions",
 "variableName" : "snapshotOptions",
 "variableType" : "SnapshotOptions",
 "documentation" : null,

simpleType" : "SnapshotOptions",

variableSetterType" : "SnapshotOptions"
{ "simple": false,
 "timestampFormat": null,
 "variable": {
 "variableDeclarationType": "SnapshotOptions",
 "variableName": "snapshotOptions",
 "variableType": "SnapshotOptions",
 "documentation": "Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours."
 },
 "xmlNameSpaceUri": null,
 "VPCOptions": {
 "beanStyleGetterMethodName": "getVpcOptions",
 "beanStyleSetterMethodName": "setVpcOptions",
 "c2jName": "VPCOptions",
 "c2jShape": "VPCOptions",
 "defaultConsumerFluentSetterDocumentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

When the Consumer completes, VPCOptions.Builder is called immediately and its result is passed to VPCOptions a consumer that will call methods on VPCOptions.Builder\(\).\n
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

return Returns a reference to this object so that method calls can be chained together."
 },
 "endpointDiscoveryId": false,
 "enumType": null,
 "eventHeader": false,
 "eventPayload": false,
 "fluentEnumGetterMethodName": null,
 "fluentEnumSetterMethodName": null,
 "fluentGetterMethodName": "vpcOptions",
 "fluentSetterDocumentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

return Returns a reference to this object so that method calls can be chained together."}
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="/http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>."

"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"setterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="/http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>."

"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCOptions",
}
"variableName": "vpcOptions",
"variableType": "VPCOptions",
"documentation": null,
"simpleType": "VPCOptions",
"variableSetterType": "VPCOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "VPCOptions",
"variableName": "vpcOptions",
"variableType": "VPCOptions",
"documentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>",
"simpleType": "VPCOptions",
"variableSetterType": "VPCOptions"
},
"xmlNameSpaceUri": null
}
]
"nonStreamingMembers": [
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
"c2jShape": "DomainName",
"defaultConsumerFluentSetterDocumentation": "<p>The name of the ElasticSearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.

@deprecated
@see #domainName(String)"
"documentation": "<p>The name of the ElasticSearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>"},
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "<p>The name of the ElasticSearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter
or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@param domainName The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@return Returns a reference to this object so that method calls can be chained together.

    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
    "return The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "DomainName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "DomainName",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "DomainName",
    "sensitive" : false,
    "setterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
    "setter Model" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "DomainName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "DomainName",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "DomainName",
    "sensitive" : false,
    "setterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
    "setter Model" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "DomainName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "DomainName",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "DomainName",
    "sensitive" : false,
    "setterDocumentation" : "<p>The name of the Elasticsearch domain that you are creating. Domain names are unique across the domains owned by an account within an AWS region. Domain names must start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
    "setter Model" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "DomainName",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "DomainName",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "String of format X.Y to specify version for the
domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide</i>. This is a convenience that creates an instance of the \{ String.Builder \} avoiding
the need to create one manually via \{ String#builder() \}. When the \{ Consumer \} completes, \{ String.Builder#build() \} is called immediately and its result is passed to \{ ElasticsearchVersion(String) \}. @param elasticsearchVersion a consumer that will call methods on \{ ElasticsearchVersion \}.
@override
@see #elasticsearchVersion(String)
"deprecated" : false,
"documentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide</i>. "endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank"&gt;Creating Elasticsearch Domains&lt;/a&gt; in the &lt;i&gt;Amazon Elasticsearch Service Developer Guide&lt;/i&gt;.&lt;/p&gt;&lt;n&gt;\n@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank"&gt;Creating Elasticsearch Domains&lt;/a&gt; in the &lt;i&gt;Amazon Elasticsearch Service Developer Guide&lt;/i&gt;.&lt;/n&gt;\n@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank"&gt;Creating Elasticsearch Domains&lt;/a&gt; in the &lt;i&gt;Amazon Elasticsearch Service Developer Guide&lt;/i&gt;.&lt;/p&gt;&lt;n&gt;\n@return String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank"&gt;Creating Elasticsearch Domains&lt;/a&gt; in the &lt;i&gt;Amazon Elasticsearch Service Developer Guide&lt;/i&gt;.&lt;/p&gt;&lt;n&gt;\n
"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion"
"setterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide.</p>

@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide.

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchVersion",
    "variableType" : "String",
    "documentation" : "String of format X.Y to specify version for the Elasticsearch domain eg. \"1.5\" or \"2.3\". For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomains" target="_blank">Creating Elasticsearch Domains</a> in the Amazon Elasticsearch Service Developer Guide.

"variableSetterType" : "String"
},

"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",

"defaultValueConsumerFluentSetterDocumentation" : "Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.

This is a convenience that creates an instance of the ElasticsearchClusterConfig.Builder avoiding the need to create one manually via ElasticsearchClusterConfig#builder(). When the @link ElasticsearchClusterConfig.Builder completes, ElasticsearchClusterConfig.Builder#build() is called immediately and its result is passed to ElasticsearchClusterConfig#builder() a consumer that will call methods on ElasticsearchClusterConfig.Builder#build().

@see ElasticsearchClusterConfig(ElasticsearchClusterConfig)

deprecated" : false,
"documentation" : "Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster."
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>@return Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster.",
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>@param elasticsearchClusterConfig Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster."
"setterMethodName": "setElasticsearchClusterConfig",
"setterModel": {
  "variableDeclarationType": "ElasticsearchClusterConfig",
  "variableName": "elasticsearchClusterConfig",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": null,
  "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ElasticsearchClusterConfig",
  "variableName": "elasticsearchClusterConfig",
  "variableType": "ElasticsearchClusterConfig",
  "documentation": "<p>Configuration options for an Elasticsearch domain. Specifies the instance type and number of instances in the domain cluster. </p>",
  "simpleType": "ElasticsearchClusterConfig",
  "variableSetterType": "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri": null}
},
"beanStyleGetterMethodName": "getEbsOptions",
"beanStyleSetterMethodName": "setEbsOptions",
"c2jName": "EBSOptions",
"c2jShape": "EBSOptions",
"defaultConsumerFluentSetterDocumentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
This is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}. When the { @link Consumer} completes, { @link EBSOptions.Builder#build()} is called immediately and its result is passed to { @link EBSOptions#ebsOptions(EBSOptions)}.  
@see #ebsOptions(EBSOptions)"
,
"deprecated": false,
"documentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "ebsOptions",
"fluentSetterDocumentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.
@return Returns a reference to this object so that method calls can be chained together.
@link EBSOptions.Builder#build() is called immediately and its result is passed to { @link EBSOptions#build()}.
@see #ebsOptions(EBSOptions)"
,
"getterDocumentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes. </p>"
"getterModel": {
  "returnType": "EBSOptions",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "EBSOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "EBSOptions",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "SDK_POJO",

"name": "EBSOptions",

"setterDocumentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes.</p>
@param ebsOptions Options to enable, disable and specify the type and size of EBS storage volumes.",

"setterMethodName": "setEbsOptions",

"setterModel": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "ebsOptions",
  "variableType": "EBSOptions",
  "documentation": null,
  "simpleType": "EBSOptions",
  "variableSetterType": "EBSOptions"
},

"simple": false,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "ebsOptions",
  "variableType": "EBSOptions",
  "documentation": "<p>Options to enable, disable and specify the type and size of EBS storage volumes.</p>"
IAM access policy as a JSON-formatted string.

When the `@link Consumer` completes, `@link String.Builder` is called immediately and its result is passed to `@link #accessPolicies(String)`. `@param accessPolicies a consumer that will call methods on `@link String.Builder` `@return Returns a reference to this object so that method calls can be chained together.`

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"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "accessPolicies",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "accessPolicies",
   "variableType" : "String",
   "documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
   "beanStyleGetterMethodName" : "getSnapshotOptions",
   "beanStyleSetterMethodName" : "setSnapshotOptions",
   "c2jName" : "SnapshotOptions",
   "c2jShape" : "SnapshotOptions",
   "defaultConsumerFluentSetterDocumentation" : "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}.\n\nWhen the [@link Consumer] completes, [@link SnapshotOptions.Builder#build()] is called immediately and its result is passed to [@link #snapshotOptions(SnapshotOptions)]\n@param snapshotOptions a consumer that will call methods on [@link SnapshotOptions.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #snapshotOptions(SnapshotOptions)"
"deprecated": false,
"documentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "snapshotOptions",
"fluentSetterDocumentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "snapshotOptions",
"getterDocumentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
@return Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"getterModel": {
  "returnType": "SnapshotOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "SnapshotOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "SnapshotOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "SnapshotOptions",
"sensitive": false,
"setterDocumentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
@param snapshotOptions Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours.",
"setterMethodName": "setSnapshotOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": null,
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": "<p>Option to set time, in UTC format, of the daily automated snapshot. Default value is 0 hours. </p>
",
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getVpcOptions",
  "beanStyleSetterMethodName": "setVpcOptions",
  "c2jName": "VPCOptions",
  "c2jShape": "VPCOptions",
  "defaultConsumerFluentSetterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>

This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}. When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to {@link #vpcOptions(VPCOptions)}.

@param vpcOptions a consumer that will call methods on {@link VPCOptions.Builder} returning a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCOptions)",
  "deprecated": false,
  "documentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventType": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>",
"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"sensitive" : false,
"setterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc).

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc)

"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc)

@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)

This is a convenience that creates an instance of the `CognitoOptions.Builder` avoiding the need to create one manually via `CognitoOptions#builder()`. When the `CognitoOptions.Builder` completes, `cognitoOptions(CognitoOptions)` is called immediately and its result is passed to `cognitoOptions(CognitoOptions)`.

@deprecated
"documentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)"}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n</p>@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"getterModel" : {
"returnType" : "CognitoOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "complexType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the Encryption At Rest Options.</p>",
This is a convenience that creates an instance of the [@link EncryptionAtRestOptions.Builder] avoiding the need to create one manually via [@link EncryptionAtRestOptions.Builder#build]. When the [@link Consumer] completes, [@link EncryptionAtRestOptions.Builder#build] is called immediately and its result is passed to [@link EncryptionAtRestOptions(EncryptionAtRestOptions)].

@return Returns a reference to this object so that method calls can be chained together.
@see #encryptionAtRestOptions(EncryptionAtRestOptions)
"deprecated" : false,
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "encryptionAtRestOptions",
"fluentSetterDocumentation": "<p>Specifies the Encryption At Rest Options.<br/>
@return Specifies the Encryption At Rest Options.<br/>
</p>@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "encryptionAtRestOptions",
"getterDocumentation": "<p>Specifies the Encryption At Rest Options.<br/>
@return Specifies the Encryption At Rest Options.<br/>
</p>@return
getters specifies the Encryption At Rest Options.",
"getterModel": {
"returnType": "EncryptionAtRestOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EncryptionAtRestOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EncryptionAtRestOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the Encryption At Rest Options.<br/>
@return Specifies the Encryption At Rest Options.<br/>
</p>@param encryptionAtRestOptions Specifies the Encryption At Rest Options.
setter specifies the Encryption At Rest Options.",
"setterMethodName": "setEncryptionAtRestOptions",
"setterModel": {
"variableDeclarationType": "EncryptionAtRestOptions",
"variableName": "encryptionAtRestOptions",
"variableType": "EncryptionAtRestOptions",
"documentation": null,
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : "<p>Specifies the Encryption At Rest Options.</p>",
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
}
],
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
This is a convenience that creates an instance of the {@link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via {@link NodeToNodeEncryptionOptions#builder()}. When the {@link Consumer} completes, [{@link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to [{@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}].
@returns a reference to this object so that method calls can be chained together."
"getterDocumentation" : "<p>Specifies the NodeToNodeEncryptionOptions.</p>
@return Specifies the NodeToNodeEncryptionOptions.
"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "NodeToNodeEncryptionOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NodeToNodeEncryptionOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "NodeToNodeEncryptionOptions",
"sensitive": false,
"setterDocumentation": "Specifies the NodeToNodeEncryptionOptions. <p>
@<param nodeToNodeEncryptionOptions Specifies the NodeToNodeEncryptionOptions.>
@<setterMethodName>: "setNodeToNodeEncryptionOptions",
"setterModel": {
"variableDeclarationType": "NodeToNodeEncryptionOptions",
"variableName": "nodeToNodeEncryptionOptions",
"variableType": "NodeToNodeEncryptionOptions",
"documentation": null,
"simpleType": "NodeToNodeEncryptionOptions",
"variableSetterType": "NodeToNodeEncryptionOptions"
}
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "NodeToNodeEncryptionOptions",
"variableName": "nodeToNodeEncryptionOptions",
"variableType": "NodeToNodeEncryptionOptions",
"documentation": "Specifies the NodeToNodeEncryptionOptions. <p>
@<simpleType>: "NodeToNodeEncryptionOptions",
"variableSetterType": "NodeToNodeEncryptionOptions"
}
"xmlnsSpaceUri": null
},
"beanStyleGetterMethodName": "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the [ @link Map&lt;String,String&gt;.Builder] avoiding the need to create one manually via [ @link Map&lt;String,String&gt;#builder()].

When the [ @link Consumer] completes, [ @link Map&lt;String,String&gt;#build()] is called immediately and its result is passed to [ @link Map&lt;String,String&gt;].

@deprecated
@param advancedOptions a consumer that will call methods on [ @link Map&lt;String,String&gt;].
@return Returns a reference to this object so that method calls can be chained together."

"deprecated" : false,
"documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the [ @link Map&lt;String,String&gt;.Builder] avoiding the need to create one manually via [ @link Map&lt;String,String&gt;#builder()].

When the [ @link Consumer] completes, [ @link Map&lt;String,String&gt;#build()] is called immediately and its result is passed to [ @link Map&lt;String,String&gt;].

@deprecated
@param advancedOptions a consumer that will call methods on [ @link Map&lt;String,String&gt;].
@return Returns a reference to this object so that method calls can be chained together."

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

This is a convenience that creates an instance of the [ @link Map&lt;String,String&gt;.Builder] avoiding the need to create one manually via [ @link Map&lt;String,String&gt;#builder()].

When the [ @link Consumer] completes, [ @link Map&lt;String,String&gt;#build()] is called immediately and its result is passed to [ @link Map&lt;String,String&gt;].

@deprecated
@param advancedOptions a consumer that will call methods on [ @link Map&lt;String,String&gt;].
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@deprecated
@param advancedOptions a consumer that will call methods on [ @link Map&lt;String,String&gt;].
@return Returns a reference to this object so that method calls can be chained together."

"getterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@deprecated
@param advancedOptions a consumer that will call methods on [ @link Map&lt;String,String&gt;].
@return Returns a reference to this object so that method calls can be chained together."

"getDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@deprecated
@param advancedOptions a consumer that will call methods on [ @link Map&lt;String,String&gt;].
@return Returns a reference to this object so that method calls can be chained together."

"deprecated" : false,
"gettm\o\n errorHandler" : { \
 "returnType" : "java.util.Map<String,String>\t",
 "documentation" : null
 },
 "http" : { \
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "AdvancedOptions",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "AdvancedOptions",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : true,
 "mapModel" : { \
 "implType" : "java.util.HashMap",
 "interfaceType" : "java.util.Map",
 "keyLocationName" : "key",
 "keyModel" : { \
 "beanStyleGetterMethodName" : "getKey",
 "beanStyleSetterMethodName" : "setKey",
 "c2jName" : "key",
 "c2jShape" : "String",
 "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n @param key a consumer that will call methods on { @link String.Builder}\n @return Returns a reference to this object so that method calls can be chained together.\n @see #key(String)\n "deprecated" : false,
 "documentation" : "",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\n@return The value of the Key property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object."

"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
}
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.
This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String.Builder#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link value(String)}.
@see #value(String)
@param value a consumer that will call methods on {link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.
The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.
@return The value of the Value property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object."

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p> Option to allow references to indices in an HTTP request body. Must be
<code>false</code> when configuring access to individual sub-resources. By default, the value is

@<param advancedOptions Option to allow references to indices in an HTTP request body. Must be
<code>false</code> when configuring access to individual sub-resources. By default, the value is

"setterMethodName" : "setAdvancedOptions",

"setterModel" : {

  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {

  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p> Option to allow references to indices in an HTTP request body. Must be
<code>false</code> when configuring access to individual sub-resources. By default, the value is

  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},

"xmlNameSpaceUri" : null
}.

"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",

"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",

"c2jName" : "LogPublishingOptions",

"c2jShape" : "LogPublishingOptions",

"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and
<code>LogPublishingOption</code> for each containing options to publish a given type of Elasticsearch log. </p>

This is a convenience that creates an instance of the {<link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {<link Map<String,LogPublishingOption>#builder}(). When the
{<link Consumer} completes, {<link Map<String,LogPublishingOption>.Builder#build}() is called immediately and its result is passed to {<link LogPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}.}

@<param logPublishingOptions a consumer that will call methods on {<link}
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #keyAsString(String)}.\n@param key a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : "LogType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "key",
    "fluentEnumSetterMethodName" : "key",
    "fluentGetterMethodName" : "keyAsString",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\nIf the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}.\n@see LogType\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogType",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\nIf the service returns an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}.\n@see LogType",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "key",
      "queryString" : false,
    }
  }
}

"statusCode": false,
"unmarshallLocationName": "key",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.\n\n@see LogType",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the {@link LogPublishingOption.Builder} avoiding the need to create one manually via {@link LogPublishingOption.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on "}

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LogPublishingOption.Builder\n\n@see \n
@value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n@\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object."
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new
value for the Value property for this object.

setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>\n@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
  "setterMethodName" : "setLogPublishingOptionsWithStrings",
  "setterModel" : {
    "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
    "variableName" : "logPublishingOptions",
    "variableType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null,
    "simpleType" : "Map<String,LogPublishingOption>",
    "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
    "variableName" : "logPublishingOptions",
    "variableType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
    "setterMethodName" : "setLogPublishingOptionsWithStrings",
    "setterModel" : {
      "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
      "variableName" : "logPublishingOptions",
      "variableType" : "java.util.Map<String,LogPublishingOption>",
      "documentation" : null,
      "simpleType" : "Map<String,LogPublishingOption>",
      "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
    },
    "simple" : false,
    "timestampFormat" : null,
    "variable" : {
      "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
      "variableName" : "logPublishingOptions",
      "variableType" : "java.util.Map<String,LogPublishingOption>",
      "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
      "setterMethodName" : "setLogPublishingOptionsWithStrings",
      "setterModel" : {
        "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
        "variableName" : "logPublishingOptions",
        "variableType" : "java.util.Map<String,LogPublishingOption>",
        "documentation" : null,
        "simpleType" : "Map<String,LogPublishingOption>",
        "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
      },
      "simple" : false,
      "timestampFormat" : null,
      "variable" : {
        "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
        "variableName" : "logPublishingOptions",
        "variableType" : "java.util.Map<String,LogPublishingOption>",
        "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
        "setterMethodName" : "setLogPublishingOptionsWithStrings",
        "setterModel" : {
          "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
          "variableName" : "logPublishingOptions",
          "variableType" : "java.util.Map<String,LogPublishingOption>",
          "documentation" : null,
          "simpleType" : "Map<String,LogPublishingOption>",
          "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
        },
        "simple" : false,
        "timestampFormat" : null,
        "variable" : {
          "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
          "variableName" : "logPublishingOptions",
          "variableType" : "java.util.Map<String,LogPublishingOption>",
          "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
          "setterMethodName" : "setLogPublishingOptionsWithStrings",
          "setterModel" : {
            "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
            "variableName" : "logPublishingOptions",
            "variableType" : "java.util.Map<String,LogPublishingOption>",
            "documentation" : null,
            "simpleType" : "Map<String,LogPublishingOption>",
            "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
          },
          "simple" : false,
          "timestampFormat" : null,
          "variable" : {
            "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
            "variableName" : "logPublishingOptions",
            "variableType" : "java.util.Map<String,LogPublishingOption>",
            "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
            "setterMethodName" : "setLogPublishingOptionsWithStrings",
            "setterModel" : {
              "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
              "variableName" : "logPublishingOptions",
              "variableType" : "java.util.Map<String,LogPublishingOption>",
              "documentation" : null,
              "simpleType" : "Map<String,LogPublishingOption>",
              "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
            },
            "simple" : false,
            "timestampFormat" : null,
containing options to publish a given type of Elasticsearch log.

```
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>
",
"xmlNameSpaceUri" : null
}
]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"simpleName" : "CreateElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "CreateElasticsearchDomainRequest",
  "variableName" : "createElasticsearchDomainRequest",
  "variableType" : "CreateElasticsearchDomainRequest",
  "documentation" : null,
  "simpleType" : "CreateElasticsearchDomainRequest",
  "variableSetterType" : "CreateElasticsearchDomainRequest"
}
]
"wrapper" : false

"CreateElasticsearchDomainResponse" : {
  "c2jName" : "CreateElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  }
}
"deprecated" : false,
"documentation" : "The result of a <code>CreateElasticsearchDomain</code> operation. Contains the status of the newly created Elasticsearch domain."

"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
```
"beanStyleSetterMethodName" : "setDomainStatus",
"c2jName" : "DomainStatus",
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "The status of the newly created Elasticsearch domain. This is a convenience that creates an instance of the ElasticsearchDomainStatus.Builder avoiding the need to create one manually via ElasticsearchDomainStatus#builder(). When the Consumer completes, ElasticsearchDomainStatus.Builder#build() is called immediately and its result is passed to ElasticsearchDomainStatus().

@param domainStatus a consumer that will call methods on ElasticsearchDomainStatus.Builder
@return Returns a reference to this object so that method calls can be chained together.

@see ElasticsearchDomainStatus",
"deprecated" : false,
"documentation" : "The status of the newly created Elasticsearch domain.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "The status of the newly created Elasticsearch domain.

@param domainStatus The status of the newly created Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

getterDocumentation" : "The status of the newly created Elasticsearch domain.

@see ElasticsearchDomainStatus",
"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@param domainStatus The status of the newly created Elasticsearch domain."
"setterMethodname" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the newly created Elasticsearch domain. </p>
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DomainStatus" : {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "<p>The status of the newly created Elasticsearch domain.
  "deprecated" : false,
  "documentation" : "<p>The status of the newly created Elasticsearch domain. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "The status of the newly created Elasticsearch domain.\n@\param domainStatus The status of the newly created Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "The status of the newly created Elasticsearch domain.\n@return The status of the newly created Elasticsearch domain."
"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "The status of the newly created Elasticsearch domain.\n@\param domainStatus The status of the newly created Elasticsearch domain."
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchDomainStatus",
"variableName" : "domainStatus",
"variableType" : "ElasticsearchDomainStatus",
"documentation" : "<p>The status of the newly created Elasticsearch domain. </p>
This is a convenience that creates an instance of the {@link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainStatus#builder()}. When the {@link Consumer} completes,  {@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to @link ElasticsearchDomainStatus.Builder.build() parameter domainStatus a consumer that will call methods on @link ElasticsearchDomainStatus.Builder.build()\n@return Returns a reference to this object so that method calls can be chained together:\n@see #domainStatus(ElasticsearchDomainStatus)\n\n\n@deprecated
\n\ndocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The status of the newly created Elasticsearch domain. </p>
\n\n@return The status of the newly created Elasticsearch domain.",
"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the newly created Elasticsearch domain. @param domainStatus The status of the newly created Elasticsearch domain. </p>\n@param domainStatus The status of the newly created Elasticsearch domain.",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the newly created Elasticsearch domain. </p>\n@param The status of the newly created Elasticsearch domain.",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
} ];
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "CreateElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "CreateElasticsearchDomainResponse",
"variableName" : "createElasticsearchDomainResponse",
"variableType" : "CreateElasticsearchDomainResponse",
"documentation" : null,
"simpleType" : "CreateElasticsearchDomainResponse",
"variableSetterType" : "CreateElasticsearchDomainResponse"
},
"wrapper" : false
},
"DeleteElasticsearchDomainRequest" : {
"c2jName" : "DeleteElasticsearchDomainRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for the parameters to the <code>DeleteElasticsearchDomain</code> operation. Specifies the name of the Elasticsearch domain that you want to delete.
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
"action" : "DeleteElasticsearchDomain",
"locationName" : null,
"requestUri" : "/2015-01-01/es/domain/{DomainName}"
},
"target" : null,
"verb" : "DELETE"
"xmlNameSpaceUri": null
],
"members": [ {
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
"c2jShape": "DomainName",
"defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the (@link Consumer) completes, (@link String.Builder#build()) is called immediately and its result is passed to (@link #domainName(String)).
@returns Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated": false,
"documentation": "The name of the Elasticsearch domain that you want to permanently delete.",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "The name of the Elasticsearch domain that you want to permanently delete.
@param domainName The name of the Elasticsearch domain that you want to permanently delete.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "domainName",
"getterDocumentation": "The name of the Elasticsearch domain that you want to permanently delete.
@return The name of the Elasticsearch domain that you want to permanently delete.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "uri",
"marshallLocation": "PATH",
"marshallLocationName": "DomainName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainName",
"uri": true
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to this object so that method calls can be chained together.
@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
  "endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p><@return The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@return The name of the Elasticsearch domain that you want to permanently delete.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you want to permanently delete.</p><@return The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "getterModel": {
      "returnType": "String",
      "documentation": null
    },
  "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
      "isStreaming": false,
      "location": "uri",
      "marshallLocation": "PATH",
      "marshallLocationName": "DomainName",
      "queryString": false,
      "statusCode": false,
      "unmarshallLocationName": "DomainName",
      "uri": true
    }
  }
}
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
 "variableDeclarationType": "String",
 "variableName": "domainName",
 "variableType": "String",
 "documentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
 "simpleType": "String",
 "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [ {
 "beanStyleGetterMethodName": "getDomainName",
 "beanStyleSetterMethodName": "setDomainName",
 "c2jName": "DomainName",
 "c2jShape": "DomainName",
 "defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #domainName(String). Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
 "deprecated": false,
 "documentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
 "endpointDiscoveryId": false,
 "enumType": null,
 "eventHeader": false,
 "eventPayload": false,
 "fluentEnumGetterMethodName": null,
 "fluentEnumSetterMethodName": null,
 "fluentGetterMethodName": "domainName",
 "fluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@param domainName The name of the Elasticsearch domain that you want to permanently delete.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
 "getterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>
@getters
@see #domainName(String)",
 "getterModel": {
 "returnType": "String",
 "documentation": null
},
 "nonStreamingMembers": []
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>\n@param domainName The name of the Elasticsearch domain that you want to permanently delete.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>The name of the Elasticsearch domain that you want to permanently delete.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainName" ],
"shapeName" : "DeleteElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteElasticsearchDomainRequest",
  "variableName" : "deleteElasticsearchDomainRequest",
  "variableType" : "DeleteElasticsearchDomainRequest",
  "documentation" : null,
  "simpleType" : "DeleteElasticsearchDomainRequest",
  "variableSetterType" : "DeleteElasticsearchDomainRequest"
},
"wrapper" : false
},
"DeleteElasticsearchDomainResponse" : {
  "c2jName" : "DeleteElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The result of a <code>DeleteElasticsearchDomain</code> request. Contains the status of
the pending deletion, or no status if the domain and all of its resources have been deleted./p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "The status of the Elasticsearch domain being
deleted./p>\nThis is a convenience that creates an instance of the [ @link ElasticsearchDomainStatus.Builder]
avoiding the need to create one manually via `{@link ElasticsearchDomainStatus#builder()}.

When the `{@link Consumer} completes, `{@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to `{@link #domainStatus(ElasticsearchDomainStatus)}.

@returns a reference to this object so that method calls can be chained together.

@see #domainStatus(ElasticsearchDomainStatus)"

"deprecated" : false,
"documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
@param domainStatus The status of the Elasticsearch domain being deleted.
@returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
@return The status of the Elasticsearch domain being deleted.

"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "The status of the Elasticsearch domain being deleted.
@param domainStatus
The status of the Elasticsearch domain being deleted."
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "The status of the Elasticsearch domain being deleted.
@param domainStatus
The status of the Elasticsearch domain being deleted."
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "DomainStatus" : {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted.\nThis is a convenience that creates an instance of the @link ElasticsearchDomainStatus.Builder\navoiding the need to create one manually via @link ElasticsearchDomainStatus#builder().\nWhen the @link Consumer completes, @link ElasticsearchDomainStatus.Builder#build() is called immediately and its result is passed to @link #domainStatus(ElasticsearchDomainStatus).\n@param domainStatus a consumer that will call methods on @link ElasticsearchDomainStatus.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainStatus(ElasticsearchDomainStatus)"
  },
  "deprecated" : false,
  "documentation" : "The status of the Elasticsearch domain being deleted.\nendpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "payload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted.\n@param domainStatus"}
domainStatus: The status of the Elasticsearch domain being deleted.

@Return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "domainStatus",
"getterDocumentation": "<p>The status of the Elasticsearch domain being deleted.</p>

@Return The status of the Elasticsearch domain being deleted.

"getterModel": {
  "returnType": "ElasticsearchDomainStatus",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainStatus",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainStatus",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"marshallType": "SDK_POJO",
"name": "DomainStatus",
"simple": true,
"setterDocumentation": "<p>The status of the Elasticsearch domain being deleted.</p>

@Param domainStatus: The status of the Elasticsearch domain being deleted.

"setterMethodName": "setDomainStatus",
"setterModel": {
  "variableDeclarationType": "ElasticsearchDomainStatus",
  "variableName": "domainStatus",
  "variableType": "ElasticsearchDomainStatus",
  "documentation": null,
  "simpleType": "ElasticsearchDomainStatus",
  "variableSetterType": "ElasticsearchDomainStatus"
},
"simple": true,
"timestampFormat": null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchDomainStatus",
    "variableName" : "domainStatus",
    "variableType" : "ElasticsearchDomainStatus",
    "documentation" : "The status of the Elasticsearch domain being deleted."
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getDomainStatus",
    "beanStyleSetterMethodName" : "setDomainStatus",
    "c2jName" : "DomainStatus",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted."
} ],

"deprecated" : false,
"documentation" : "The status of the Elasticsearch domain being deleted."
,"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "The status of the Elasticsearch domain being deleted."
,"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "The status of the Elasticsearch domain being deleted."
,"getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"setterDocumentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
@param domainStatus
The status of the Elasticsearch domain being deleted.
",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "<p>The status of the Elasticsearch domain being deleted.</p>
",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
} ];
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeleteElasticsearchDomainResponse",
  "variableName" : "deleteElasticsearchDomainResponse",
  "variableType" : "DeleteElasticsearchDomainResponse",
  "documentation" : null,
  "simpleType" : "DeleteElasticsearchDomainResponse",
  "variableSetterType" : "DeleteElasticsearchDomainResponse"
},
"wrapper" : false
},
"DeleteElasticsearchServiceRoleRequest" : {
  "c2jName" : "DeleteElasticsearchServiceRoleRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "DeleteElasticsearchServiceRole",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/role",
    "target" : null,
    "verb" : "DELETE",
    "xmlNameSpaceUri" : null
  },
  "members" : [ ],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeleteElasticsearchServiceRoleRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DeleteElasticsearchServiceRoleRequest",
  "variableName" : "deleteElasticsearchServiceRoleRequest",
  "variableType" : "DeleteElasticsearchServiceRoleRequest",
  "documentation" : null,
  "simpleType" : "DeleteElasticsearchServiceRoleRequest",
  "variableSetterType" : "DeleteElasticsearchServiceRoleRequest"
},
"wrapper" : false
},
"DeleteElasticsearchServiceRoleResponse" : {
  "c2jName" : "DeleteElasticsearchServiceRoleResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshallers" : [ ],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "DeleteElasticsearchServiceRoleResponse",
  "simpleMethod" : false,
  "unmarshaller" : {
    "flattened" : false,
"resultWrapper" : null,
],
"variable" : {
  "variableDeclarationType" : ":DeleteElasticsearchServiceRoleResponse",
  "variableName" : "deleteElasticsearchServiceRoleResponse",
  "variableType" : ":DeleteElasticsearchServiceRoleResponse",
  "documentation" : null,
  "simpleType" : ":DeleteElasticsearchServiceRoleResponse",
  "variableSetterType" : ":DeleteElasticsearchServiceRoleResponse"
},
"wrapper" : false
],
"DeploymentStatus" : {
  "c2jName" : "DeploymentStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscovery" : null,
  "enums" : [ {
    "name" : "PENDING_UPDATE",
    "value" : "PENDING_UPDATE"
  }, {
    "name" : "IN_PROGRESS",
    "value" : "IN_PROGRESS"
  }, {
    "name" : "COMPLETED",
    "value" : "COMPLETED"
  }, {
    "name" : "NOT_ELIGIBLE",
    "value" : "NOT_ELIGIBLE"
  }, {
    "name" : "ELIGIBLE",
    "value" : "ELIGIBLE"
  } ],
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DeploymentStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DeploymentStatus",
  "variableName" : "deploymentStatus",
  "variableType" : "DeploymentStatus",
  "documentation" : null,
  "simpleType" : "DeploymentStatus",
  "variableSetterType" : "DeploymentStatus"
},
"wrapper" : false
},
"DescribeElasticsearchDomainConfigRequest" : {
  "c2jName" : "DescribeElasticsearchDomainConfigRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for the parameters to the <code>DescribeElasticsearchDomainConfig</code> operation. Specifies the domain name for which you want configuration information. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
"action" : "DescribeElasticsearchDomainConfig",
"locationName" : null,
"requestUri" : "/2015-01-01/es/domain/{DomainName}/config",
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null,
}
"members" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}. a consumer that will call methods on {@link String.Builder}.

When the {@link Consumer} completes, the result is passed to the object so that method calls can be chained together.

@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@param domainName The Elasticsearch domain that you want to get information about.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@return The Elasticsearch domain that you want to get information about.
@see #domainName(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
@param
domainName The Elasticsearch domain that you want to get information about.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>"
  }
}

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, the instance is called immediately and its result is passed to the given method.
domainName a consumer that will call methods on { @link String.Builder }\n@returns Returns a reference to this object so that method calls can be chained together.\n@see domainName(String)
  \n@deprecated" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@endpointDiscoveryId" false
  \n@enumType" : null,
  \n@eventHeader" false
  \n@eventPayload" : false,
  \n@fluentEnumGetterMethodName" : null,
  \n@fluentEnumSetterMethodName" : null,
  \n@fluentGetterMethodName" : "domainName",
  \n@fluentSetterDocumentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)
  \n@returns Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
  \n@see domainName(String)" false
  \n@documentation" : "<p>The Elasticsearch domain that you want to get information about.</p>
  \n@param domainName The Elasticsearch domain that you want to get information about.
  \n@return Returns a reference to this object so that method calls can be chained together.
domainName : "The Elasticsearch domain that you want to get information about."

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The Elasticsearch domain that you want to get information about.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch domain that you want to get information about.

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)]

@param domainName a consumer that will call methods on [@link String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)
    "deprecated" : false,
  "documentation" : "The Elasticsearch domain that you want to get information about.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The Elasticsearch domain that you want to get information about.

"@param domainName The Elasticsearch domain that you want to get information about.

@return Returns a reference to this object so that method calls can be chained together.
    "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "The Elasticsearch domain that you want to get information about."
The Elasticsearch domain that you want to get information about.

`getterModel`:
{
  "returnType": "String",
  "documentation": null
},

`http`:
{
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": true
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "The Elasticsearch domain that you want to get information about.",
"setterMethodName": "setDomainName",
"setterModel":
{
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,
"variable":
{
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "variableName": "domainName",
  "variableType": "String"}
"documentation" : "The Elasticsearch domain that you want to get information about.",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "DescribeElasticsearchDomainConfigRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainConfigRequest",
"variableName" : "describeElasticsearchDomainConfigRequest",
"variableType" : "DescribeElasticsearchDomainConfigRequest",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainConfigRequest",
"variableSetterType" : "DescribeElasticsearchDomainConfigRequest"
},
"wrapper" : false
},
"DescribeElasticsearchDomainConfigResponse" : {
"c2jName" : "DescribeElasticsearchDomainConfigResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "The result of a <code>DescribeElasticsearchDomainConfig</code> request. Contains the configuration information of the requested domain.",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getDomainConfig",
"defaultValue" : null,
"documentation" : null,
"description" : null,
"simpleType" : "String",
"variableName" : "domainConfig",
"variableType" : "DescribeElasticsearchDomainConfigRequest\""
],
"memberList" : null
},
"responseSignature" : null,
"shapeName" : "DescribeElasticsearchDomainConfigResponse",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainConfigResponse",
"variableName" : "describeElasticsearchDomainConfigResponse",
"variableType" : "DescribeElasticsearchDomainConfigResponse",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainConfigResponse",
"variableSetterType" : "DescribeElasticsearchDomainConfigResponse"
},
"wrapper" : false
},
"DescribeElasticsearchDomainConfigResponse" : {
"c2jName" : "DescribeElasticsearchDomainConfigResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "The result of a <code>DescribeElasticsearchDomainConfig</code> request. Contains the configuration information of the requested domain.",
"beanStyleSetterMethodName" : "setDomainConfig",
"c2jName" : "DomainConfig",
"c2jShape" : "ElasticsearchDomainConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>

This is a convenience that creates an instance of the {@link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchDomainConfig#builder()}. When the {@link Consumer} completes, a consumer that will call methods on the caller together.

@see #domainConfig(ElasticsearchDomainConfig)

@deprecated" : false,
"documentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>

@see #domainConfig(ElasticsearchDomainConfig)",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>

@return The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.

@see #domainConfig(ElasticsearchDomainConfig)",
"getterModel" : {
 "returnType" : "ElasticsearchDomainConfig",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainConfig",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainConfig",
 "uri" : false
The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.

```java
@Param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
```

```

setterMethodName" : "setDomainConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchDomainConfig",
    "variableName" : "domainConfig",
    "variableType" : "ElasticsearchDomainConfig",
    "documentation" : null,
    "simpleType" : "ElasticsearchDomainConfig",
    "variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchDomainConfig",
    "variableName" : "domainConfig",
    "variableType" : "ElasticsearchDomainConfig",
    "documentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
\nThis is a convenience that creates an instance of the ElasticsearchDomainConfig.Builder avoiding the need to create one manually via ElasticsearchDomainConfig#builder(). When the @link ElasticsearchDomainConfig.Builder#build() method completes, @link ElasticsearchDomainConfig.Builder#build() is called immediately and its result is passed to @link #domainConfig(ElasticsearchDomainConfig)\n\n@Param domainConfig a consumer that will call methods on
```
The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.

```java
ElasticsearchDomainConfig domainConfig = domainConfigResponse.getDomainConfig();
```

### Fluent Methods

- **fluentSetterMethodName**: "domainConfig"
  
- **fluentGetterMethodName**: "domainConfig"
  
### Marshalling

- **marshallingType**: "SDK_POJO"

### HTTP

- **isStreaming**: false
- **marshallLocation**: "PAYLOAD"
- **marshallLocationName**: "DomainConfig"
- **isPayload**: true
- **uri**: false
- **queryString**: false
- **http**: null
  
- **isBinary**: false
- **additionalMarshallingPath**: null
- **additionalUnmarshallingPath**: null
- **flattened**: false
- **greedy**: false
- **header**: false
- **payload**: false
- **statusCode**: false
- **uri**: false

### Model

- **returnType**: "ElasticsearchDomainConfig"
- **documentation**: null

```java
public ElasticsearchDomainConfig fromJson(String json) {
    return ElasticsearchDomainConfig.fromJson(json);
}
```

The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.

```java
@link ElasticsearchDomainConfig.Builder
```

 Returns a reference to this object so that method calls can be chained together.

```java
@see #domainConfig(ElasticsearchDomainConfig)
```

```java
@Deprecated
```

```java
public ElasticsearchDomainConfig withDomainConfig(ElasticsearchDomainConfig domainConfig) {
    this.domainConfig = domainConfig;
    return this;
}
```

### Fluent Settings

- **deprecated**: false
- **documentation**: "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request."

```java
ElasticsearchDomainConfig domainConfig = ElasticsearchDomainConfig.builder()
    .withDomainConfig(domainConfig)
    .build();
```

Returns a reference to this object so that method calls can be chained together.
"name" : "DomainConfig",
"setterDocumentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request. The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
"setterMethodName" : "setDomainConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null,

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainConfig",
  "beanStyleSetterMethodName" : "setDomainConfig",
  "c2jName" : "DomainConfig",
  "c2jShape" : "ElasticsearchDomainConfig",
  "defaultConsumerFluentSetterDocumentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request. This is a convenience that creates an instance of the { @link ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchDomainConfig#builder()}. When the { @link Consumer} completes, { @link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to { @link #domainConfig(ElasticsearchDomainConfigConfigBuilder)}.

@see #domainConfig(ElasticsearchDomainConfigConfig)
@deprecated"
},

"documentation" : "The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.</p>
@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.</p>
@return The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
"getterModel" : {
"returnType" : "ElasticsearchDomainConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The configuration information of the domain requested in the
<code>DescribeElasticsearchDomainConfig</code> request.</p>
@param domainConfig The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.
@return The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.",
"setterMethodName" : "setDomainConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchDomainConfig",
"variableName" : "domainConfig",
"..."}
"variableType" : "ElasticsearchDomainConfig",
"documentation" : null,
"simpleType" : "ElasticsearchDomainConfig",
"variableSetterType" : "ElasticsearchDomainConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainConfig",
  "variableName" : "domainConfig",
  "variableType" : "ElasticsearchDomainConfig",
  "documentation" : "<p>The configuration information of the domain requested in the <code>DescribeElasticsearchDomainConfig</code> request.</p>",
  "simpleType" : "ElasticsearchDomainConfig",
  "variableSetterType" : "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainConfig" ],
"shapeName" : "DescribeElasticsearchDomainConfigResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainConfigResponse",
  "variableName" : "describeElasticsearchDomainConfigResponse",
  "variableType" : "DescribeElasticsearchDomainConfigResponse",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchDomainConfigResponse",
  "variableSetterType" : "DescribeElasticsearchDomainConfigResponse"
},
"wrapper" : false
},
"DescribeElasticsearchDomainRequest" : {
"c2jName" : "DescribeElasticsearchDomainRequest",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the
<code><a>DescribeElasticsearchDomain</a></code> operation.

- endpointDiscovery: null
- enums: null
- errorCode: null
- event: false
- eventStream: false
- explicitEventPayloadMember: null
- hasHeaderMember: false
- hasPayloadMember: false
- hasStatusCodeMember: false
- hasStreamingMember: false
- httpStatusCode: null
- marshaller: {}
  - action: "DescribeElasticsearchDomain"
  - locationName: null
  - requestUri: "/2015-01-01/es/domain/{DomainName}",
  - target: null
  - verb: "GET",
  - xmlNameSpaceUri: null
- members: [
  - beanStyleGetterMethodName: "getDomainName",
  - beanStyleSetterMethodName: "setDomainName",
  - c2jName: "DomainName",
  - c2jShape: "DomainName",
  - defaultConsumerFluentSetterDocumentation: "The name of the Elasticsearch domain for which you want information.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder} \n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.\n@see #domainName\n@throws IllegalArgumentException if the value is not a valid Elasticsearch domain name.
@see #getDomainName\n@since 1.0.0"
- deprecated: false
- documentation: "The name of the Elasticsearch domain for which you want information."
- endpointDiscoveryId: false
- enumType: null
- eventHeader: false
- eventPayload: false
- fluentEnumGetterMethodName: null
- fluentEnumSetterMethodName: null
- fluentGetterMethodName: "domainName",
  - fluentSetterDocumentation: "The name of the Elasticsearch domain for which you want information.
\n@throws IllegalArgumentException if the value is not a valid Elasticsearch domain name.
@see #getDomainName\n@since 1.0.0"
- fluentSetterMethodName: "domainName",
- getterDocumentation: "The name of the Elasticsearch domain for which you want information."
- getterModel: {
  - returnType: "String"
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
"xmlnsSpaceUri" : null}
}]

"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "The name of the Elasticsearch domain for which you want information.
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.builder().
When the Consumer completes, String.Builder#build() is called immediately and its result is passed to domainName(String).
@param domainName a consumer that will call methods on String.Builder
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "The name of the Elasticsearch domain for which you want information.
@endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "The name of the Elasticsearch domain for which you want information.
@param domainName The name of the Elasticsearch domain for which you want information.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "The name of the Elasticsearch domain for which you want information.
@return The name of the Elasticsearch domain for which you want information.
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "uri",
    "marshallLocation" : "PATH",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "unmarshallLocationName" : "DomainName",
    "xmlNameSpaceUri" : null
  }
}]

Open Source Used In MSX SD-WAN Service Pack 3.9.0
"uri" : true,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"敏感" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information."
, "setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ { 
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.\n@When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #domainName(String) \}.\n@\n\n@\n@param domainName a consumer that will call methods on \{ @link String.Builder \}\n@return Returns a reference to this object so that method calls can be chained together.\n@\n@see #domainName(String)",
  "deprecated" : false,
"documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@return The name of the Elasticsearch domain for which you want information.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>
@param domainName The name of the Elasticsearch domain for which you want information.
@return The name of the Elasticsearch domain for which you want information.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of the Elasticsearch domain for which you want information.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "DescribeElasticsearchDomainRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainRequest",
"variableName" : "describeElasticsearchDomainRequest",
"variableType" : "DescribeElasticsearchDomainRequest",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainRequest",
"variableSetterType" : "DescribeElasticsearchDomainRequest"
},
"wrapper" : false
},
"DescribeElasticsearchDomainResponse" : {
"c2jName" : "DescribeElasticsearchDomainResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>The result of a <code>DescribeElasticsearchDomain</code> request. Contains the status of the domain specified in the request.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "\n\nThis is a convenience that creates an instance of the \{@link ElasticsearchDomainStatus.Builder\} avoiding the need to create one manually via \{@link ElasticsearchDomainStatus#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link ElasticsearchDomainStatus.Builder#build()\} is called immediately and its result is passed to \{@link ElasticsearchDomainStatus\}.\n\n@see #domainStatus(ElasticsearchDomainStatus)",

  "deprecated" : false,
  "documentation" : "The current status of the Elasticsearch domain.",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatus",
  "fluentSetterDocumentation" : "The current status of the Elasticsearch domain.\n\n@param domainStatus The current status of the Elasticsearch domain.\n\n@return Returns a reference to this object so that method calls can be chained together.",

  "fluentSetterMethodName" : "domainStatus",
  "getterDocumentation" : "The current status of the Elasticsearch domain.",

  "getterModel" : { 
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },

  "http" : { 
  
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>
@param domainStatus The current status of the Elasticsearch domain.
",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : "<p>The current status of the Elasticsearch domain.</p>",
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null

"]

"membersAsMap" : {
 "DomainStatus" : {
 "beanStyleGetterMethodName" : "getDomainStatus",
 "beanStyleSetterMethodName" : "setDomainStatus",
 "c2jName" : "DomainStatus",
 "setterDocumentation" : "<p>The current status of the Elasticsearch domain.</p>
@param domainStatus The current status of the Elasticsearch domain.
",
 "setterMethodName" : "setDomainStatus",
 "setterModel" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
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 "simple" : false,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : "<p>The current status of the Elasticsearch domain.</p>",
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
},
 "xmlNameSpaceUri" : null
 }

"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain.

@param domainStatus The current status of the Elasticsearch domain.
",
"setterMethodName" : "setDomainStatus",
"setterModel" : {
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 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
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 "variableSetterType" : "ElasticsearchDomainStatus"
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 "timestampFormat" : null,
 "variable" : {
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 "variableType" : "ElasticsearchDomainStatus",
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@param domainStatus The current status of the Elasticsearch domain.
",
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@param domainStatus The current status of the Elasticsearch domain.
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 "setterModel" : {
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 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
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 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
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 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : "<p>The current status of the Elasticsearch domain.

@param domainStatus The current status of the Elasticsearch domain.
",
 "setterDocumentation" : "<p>The current status of the Elasticsearch domain.
@param domainStatus The current status of the Elasticsearch domain.
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 "setterMethodName" : "setDomainStatus",
 "setterModel" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
},
 "simple" : false,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : "<p>The current status of the Elasticsearch domain.

@param domainStatus The current status of the Elasticsearch domain.
",
 "setterDocumentation" : "<p>The current status of the Elasticsearch domain.
@param domainStatus The current status of the Elasticsearch domain.
",
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 "setterModel" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
},
 "simple" : false,
 "timestampFormat" : null,
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 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : "<p>The current status of the Elasticsearch domain.

@param domainStatus The current status of the Elasticsearch domain.
",
 "setterDocumentation" : "<p>The current status of the Elasticsearch domain.
@param domainStatus The current status of the Elasticsearch domain.
",
 "setterMethodName" : "setDomainStatus",
 "setterModel" : {
 "variableDeclarationType" : "ElasticsearchDomainStatus",
 "variableName" : "domainStatus",
 "variableType" : "ElasticsearchDomainStatus",
 "documentation" : null,
 "simpleType" : "ElasticsearchDomainStatus",
 "variableSetterType" : "ElasticsearchDomainStatus"
},
 "simple" : false,
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.\nThis is a convenience that creates an instance of the \{ @link ElasticsearchDomainStatus.Builder \} avoiding the need to create one manually via \{ @link ElasticsearchDomainStatus#builder() \}\nWhen the \{ @link Consumer \} completes, \{ @link ElasticsearchDomainStatus.Builder#build() \} is called immediately and its result is passed to \{ @link #domainStatus(ElasticsearchDomainStatus) \}\n@param domainStatus a consumer that will call methods on \{ @link ElasticsearchDomainStatus.Builder \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainStatus(ElasticsearchDomainStatus)\n"",
"deprecated" : false,
"documentation" : "<p>The current status of the Elasticsearch domain.\n"",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatus",
"fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain.\n"",
"fluentSetterMethodName" : "domainStatus",
"getterDocumentation" : "<p>The current status of the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n"",
"getterModel" : {
  "returnType" : "ElasticsearchDomainStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainStatus",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainStatus",
"sensitive" : false,
"setterDocumentation" : "\n@param domainStatus The current status of the Elasticsearch domain.
\n@see #domainStatus\n@see #domainStatus(ElasticsearchDomainStatus)",
"setterMethodName" : "setDomainStatus",
"setterModel" : {

  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "\nThe current status of the Elasticsearch domain.\n\n@see #domainStatus\n@see #domainStatus(ElasticsearchDomainStatus)",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
}
,"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainStatus",
  "beanStyleSetterMethodName" : "setDomainStatus",
  "c2jName" : "DomainStatus",
  "c2jShape" : "ElasticsearchDomainStatus",
  "defaultConsumerFluentSetterDocumentation" : "\nThe current status of the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the {\link ElasticsearchDomainStatus.Builder} avoiding the need to create one manually via {\link ElasticsearchDomainStatus#builder()}.\n\nWhen the {\link Consumer} completes, {\link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is passed to {\link ElasticsearchDomainStatus.ElasticsearchDomainStatus\n@param domainStatus a consumer that will call methods on {\link ElasticsearchDomainStatus.Builder}}.\n\n@see #domainStatus(ElasticsearchDomainStatus)"
},
  "deprecated" : false,
  "documentation" : "The current status of the Elasticsearch domain.\n\n@see #domainStatus(ElasticsearchDomainStatus)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "name" : "DomainStatus",
  "sensitive" : false,
  "setterDocumentation" : "\n@param domainStatus The current status of the Elasticsearch domain.\n\n@see #domainStatus(ElasticsearchDomainStatus)"
}]
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainStatus",
"fluentSetterDocumentation": "<p>The current status of the Elasticsearch domain.\n@p@param domainStatus
The current status of the Elasticsearch domain.\n@return
Returns a reference to this object so that method calls can be chained together.\n</p>"
"fluentSetterMethodName": "domainStatus",
"getterDocumentation": "<p>The current status of the Elasticsearch domain.\n@p@param domainStatus
The current status of the Elasticsearch domain.\n@return
The current status of the Elasticsearch domain.\n</p>"
"getterModel": {
:returnType": "ElasticsearchDomainStatus",
"documentation": null
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"http": {
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "DomainStatus",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "DomainStatus",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "DomainStatus",
"sensitive": false,
"setterDocumentation": "<p>The current status of the Elasticsearch domain.\n@p@param domainStatus
The current status of the Elasticsearch domain.\n</p>"
"setterMethodName": "setDomainStatus",
"setterModel": {
"variableDeclarationType": "ElasticsearchDomainStatus",
"variableName": "domainStatus",
"variableType": "ElasticsearchDomainStatus",
"documentation": null,
"simpleType": "ElasticsearchDomainStatus",
"variableSetterType": "ElasticsearchDomainStatus"
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "domainStatus",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "The current status of the Elasticsearch domain.",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : [ "DomainStatus" ],
"shapeName" : "DescribeElasticsearchDomainResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "DescribeElasticsearchDomainResponse",
  "variableName" : "describeElasticsearchDomainResponse",
  "variableType" : "DescribeElasticsearchDomainResponse",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchDomainResponse",
  "variableSetterType" : "DescribeElasticsearchDomainResponse"
},
"wrapper" : false
},
"DescribeElasticsearchDomainsRequest" : {
  "c2jName" : "DescribeElasticsearchDomainsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for the parameters to the <code><a>DescribeElasticsearchDomains</a></code> operation. By default, the API returns the status of all Elasticsearch domains."
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DescribeElasticsearchDomains",
  "locationName" : null,
  "requestUri" : "2015-01-01/es/domain-info",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getDomainNames",
    "beanStyleSetterMethodName" : "setDomainNames",
    "c2jName" : "DomainNames",
    "c2jShape" : "DomainNameList",
    "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
This is a convenience that creates an instance of the [{@link List<String>.Builder}] avoiding the need to create one manually via [{@link List<String>#builder()}].
When the [{@link Consumer}] completes, [{@link List<String>.Builder#build()}] is called immediately and its result is passed to [{@link #domainNames(List<String>)}].
@see #domainNames(List<String>)",
    "deprecated" : false,
    "documentation" : "<p>The Elasticsearch domains for which you want information.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainNames",
    "fluentSetterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param domainNames The Elasticsearch domains for which you want information.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainNames(List<String>)",
    "getterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return The Elasticsearch domains for which you want information.",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "documentation" : null
    }
  }
}
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "DomainNames",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "DomainNames",
   "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
   "implType": "java.util.ArrayList",
   "interfaceType": "java.util.List",
   "listMemberModel": {
      "beanStyleGetterMethodName": "getMember",
      "beanStyleSetterMethodName": "setMember",
      "c2jName": "member",
      "c2jShape": "DomainName",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the 
{@link String.Builder} avoiding the need to create one manually via 
{@link String.Builder#builder()}. When the 
{@link Consumer} completes, 
{@link String.Builder#build()} is called immediately and its result
is passed to 
{@link #member(String)}. 
@see #member(String)
@deprecated
"documentation": 
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@see #member(String)
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)
"documentation": 
"getMember": false,
"documentation": ""
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.
@see #member(String)
@return Returns a reference to this object so that method calls can be chained together.
"documentation": 
"getMember": false,
"documentation": ""
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.
@see #member(String)
@return Returns a reference to this object so that method calls can be chained together.
"documentation": 
"getMember": false,
"documentation": ""
the Member property for this object.
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object",
"setterMethodName" : "setMember",
"setterModel" : {
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    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String"
The Elasticsearch domains for which you want information.

@PathVariable domainNames The Elasticsearch domains for which you want information.

```
"setterDocumentation": "<p>The Elasticsearch domains for which you want information.</p>\n@param domainNames The Elasticsearch domains for which you want information.",
"setterMethodName": "setDomainNames",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "domainNames",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simple": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "domainNames",
  "variableType": "java.util.List<String>",
  "documentation": "<p>The Elasticsearch domains for which you want information.</p>",
  "simple": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
}
```

"membersAsMap": {
  "DomainNames": {
    "beanStyleGetterMethodName": "getDomainNames",
    "beanStyleSetterMethodName": "setDomainNames",
    "complexType": "String",
    "variableSetterType": "String"
  },
  "xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"complexType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
"c2jName" : "DomainNames",
"c2jShape" : "DomainNameList",
"defaultValue": "<p>The Elasticsearch domains for which you want information. This is a convenience that creates an instance of the `List<String>.Builder` avoiding the need to create one manually via `List<String>#builder()`. When the `Consumer` completes, `List<String>.Builder#build()` is called immediately and its result is passed to `domainNames(List<String>)`. Atoms a consumer that will call methods on `domainNames(List<String>)`.

@see #domainNames(List<String>)

@deprecated": false,
"documentation": "The Elasticsearch domains for which you want information.

@return Returns a reference to this object so that method calls can be chained together.

@see #domainNames(List<String>)",
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainNames",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainNames",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }.\n\n@param member a consumer that will call methods on { @link String.Builder }\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n
The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.\n\n@see #member(String)",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "member",
    }
  }
}
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param domainNames The Elasticsearch domains for which you want information.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<String>",
    "documentation" : "The Elasticsearch domains for which you want information."
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null

"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getDomainNames",
    "beanStyleSetterMethodName" : "setDomainNames",
    "c2jName" : "DomainNames",
    "c2jShape" : "DomainNameList",
    "defaultConsumerFluentSetterDocumentation" : "The Elasticsearch domains for which you want information.

This is a convenience that creates an instance of the List<String> Builder avoiding the need to create one manually via List<String>#builder().

When the List<String> Consumer completes, List<String> Builder#build() is called immediately and its result is passed to a consumer that will call methods on List<String> Builder.

@see #domainNames(List<String>)",
    "deprecated" : false,
    "documentation" : "The Elasticsearch domains for which you want information.
    enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainNames",
    "fluentSetterDocumentation" : "The Elasticsearch domains for which you want information."
domainNames The Elasticsearch domains for which you want information.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainNames",
"getterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The Elasticsearch domains for which you want information.

"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainNames",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainNames",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}."
  },
  "deprecated" : false,
  "documentation" : ""
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
"returnType" : "String",
"documentation" : null
},
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"mxmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch domains for which you want information.</p>
@param
domainNames The Elasticsearch domains for which you want information.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"documentation": "The Elasticsearch domains for which you want information.",
"simpleType": "List<String>",
"variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "DomainNames" ],
"shapeName": "DescribeElasticsearchDomainsRequest",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
"variableDeclarationType": "DescribeElasticsearchDomainsRequest",
"variableName": "describeElasticsearchDomainsRequest",
"variableType": "DescribeElasticsearchDomainsRequest",
"documentation": null,
"simpleType": "DescribeElasticsearchDomainsRequest",
"variableSetterType": "DescribeElasticsearchDomainsRequest"
},
"wrapper": false
},
"DescribeElasticsearchDomainsResponse": {
"c2jName": "DescribeElasticsearchDomainsResponse",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "The result of a DescribeElasticsearchDomains request. Contains the status of the specified domains or all domains owned by the account.",
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [
"beanStyleGetterMethodName": "getDomainStatusList",}
"beanStyleSetterMethodName" : "setDomainStatusList",
"c2jName" : "DomainStatusList",
"c2jShape" : "ElasticsearchDomainStatusList",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>This is a convenience that creates an instance of the
{@link List<ElasticsearchDomainStatus>.Builder} avoiding the need to create one manually via {@link
List<ElasticsearchDomainStatus>#builder()}. When the {@link Consumer} completes,{@link
List<ElasticsearchDomainStatus>.Builder#build()} is called immediately and its result is passed to
{@link #domainStatusList(List<ElasticsearchDomainStatus>)}. Returns a reference to this object so that
method calls can be chained together. <code>@see #domainStatusList(List<ElasticsearchDomainStatus>)</code>.
"deprecated" : false,
"documentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
@code>
endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",
"fluentSetterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
@code>
getDocumentation" : "Attempts to modify the collection returned by
this method will result in an UnsupportedOperationException.
@return The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.
@code>
getterModel" : {

"returnType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainStatusList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainStatusList",}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchDomainStatus",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object.\n\nThis is a convenience that creates an instance of the [@link ElasticsearchDomainStatus.Builder]
avoiding the need to create one manually via [@link ElasticsearchDomainStatus#builder()].\n\nWhen the [@link Consumer] completes, [@link ElasticsearchDomainStatus.Builder#build()] is called immediately and its result is
passed to [@link #member(ElasticsearchDomainStatus)].\n\n@param member a consumer that will call methods on
[@link ElasticsearchDomainStatus.Builder]\n\n@return Returns a reference to this object so that method calls can be
chained together.\n@see #member(ElasticsearchDomainStatus)",
  "deprecated" : false,
  "documentation" : null,
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThe new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be
chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "ElasticsearchDomainStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"isSensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.,",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
"sensitive" : false,
"setterDocumentation" : "The status of the domains requested in the "DescribeElasticsearchDomains" request."
@param domainStatusList The status of the domains requested in the "DescribeElasticsearchDomains" request.
"setterMethodName" : "setDomainStatusList",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
"variableName" : "domainStatusList",
"variableType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null,
"simpleType" : "List<ElasticsearchDomainStatus>",
"variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
"variableName" : "domainStatusList",
"variableType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : "The status of the domains requested in the "DescribeElasticsearchDomains" request."
"simpleType" : "List<ElasticsearchDomainStatus>",
"variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
"variableName" : "domainStatusList",
"variableType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : null,
"simpleType" : "List<ElasticsearchDomainStatus>",
"variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>",
"simple" : false,
"timestampFormat" : null
}
"membersAsMap" : {
"DomainStatusList" : {
"beanStyleGetterMethodName" : "getDomainStatusList",
"beanStyleSetterMethodName" : "setDomainStatusList",
"c2jName" : "DomainStatusList",
"c2jShape" : "ElasticsearchDomainStatusList",
"defaultConsumerFluentSetterDocumentation" : "The status of the domains requested in the "DescribeElasticsearchDomains" request."
This is a convenience that creates an instance of the [{@link List<ElasticsearchDomainStatus>}.Builder} avoiding the need to create one manually via {@link List<ElasticsearchDomainStatus>#builder}. When the {@link Consumer} completes, {@link List<ElasticsearchDomainStatus>.Builder#build} is called immediately and its result is passed to {@link #domainStatusList(List<ElasticsearchDomainStatus>)}. This method calls can be chained together. Returns a reference to this object so that method calls can be chained together.
@see #domainStatusList(List<ElasticsearchDomainStatus>)",
"deprecated" : false,
"documentation": 
"<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainStatusList",
"fluentSetterDocumentation": 
"<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>
@param domainStatusList The status of the domains
requested in the <code>DescribeElasticsearchDomains</code> request.
@return Returns a reference to this object
so that method calls can be chained together.
",
"fluentSetterMethodName": "domainStatusList",
"getterDocumentation": 
"<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>

Attempts to modify the collection returned by
this method will result in an UnsupportedOperationException.

@return The status of the domains requested
in the <code>DescribeElasticsearchDomains</code> request.
",
"getterModel": {
  "returnType": "java.util.List<ElasticsearchDomainStatus>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainStatusList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainStatusList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "documentation": null
  }
}}
"c2jName" : "member",
"c2jShape" : "ElasticsearchDomainStatus",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{@link ElasticsearchDomainStatus.Builder\} avoiding the need to create one manually via \{@link ElasticsearchDomainStatus#builder()\}. When the \{@link Consumer\} completes, \{@link ElasticsearchDomainStatus.Builder#build()\} is called immediately and its result is passed to \{@link #member(ElasticsearchDomainStatus)\}.\n
@param member a consumer that will call methods on \{@link ElasticsearchDomainStatus.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(ElasticsearchDomainStatus)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n
The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object."
"getterModel" : {
"returnType" : "ElasticsearchDomainStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
"sensitive" : false,
"setterDocumentation" : "The status of the domains requested in the<br><code>DescribeElasticsearchDomains</code> request.

@returns The status of the domains requested in the<br><code>DescribeElasticsearchDomains</code> request.",
"setterMethodName" : "setDomainStatusList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation": null,
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation": "The status of the domains requested in the \n<code>DescribeElasticsearchDomains</code> request.\n"",
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"xmlNameSpaceUri" : null}
}]
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainStatusList",
  "beanStyleSetterMethodName" : "setDomainStatusList",
  "c2jName" : "DomainStatusList",
  "c2jShape" : "ElasticsearchDomainStatusList",
  "defaultConsumerFluentSetterDocumentation" : "The status of the domains requested in the\n<code>DescribeElasticsearchDomains</code> request.\n"",
  "deprecated" : false,
  "documentation" : "The status of the domains requested in the\n<code>DescribeElasticsearchDomains</code> request.\n",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainStatusList",
  "fluentSetterDocumentation" : "The status of the domains requested in the\n<code>DescribeElasticsearchDomains</code> request.\n"
}]

This is a convenience that creates an instance of the\n{@link List<ElasticsearchDomainStatus>.Builder} avoiding the need to create one manually via {@link\nList<ElasticsearchDomainStatus>#builder()}.\nWhen the {@link Consumer} completes, {@link\nList<ElasticsearchDomainStatus>.Builder#build()} is called immediately and its result is passed to {@link\ndomainStatusList(List<ElasticsearchDomainStatus>)}.\n@return Returns a reference to this object so that\nmethod calls can be chained together.\n@see domainStatusList(List<ElasticsearchDomainStatus>)"
"deprecated" : false,
"documentation" : "The status of the domains requested in the\n<code>DescribeElasticsearchDomains</code> request.\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainStatusList",
"fluentSetterDocumentation" : "The status of the domains requested in the\n<code>DescribeElasticsearchDomains</code> request.\n" param domainStatusList\n@return Returns a reference to this object\n
so that method calls can be chained together.

   "fluentSetterMethodName" : "domainStatusList",
   "getterDocumentation" : "The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.

Attempts to modify the collection returned by
this method will result in an UnsupportedOperationException.

@return The status of the domains requested
in the <code>DescribeElasticsearchDomains</code> request.

   "getterModel" : {
      "returnType" : "java.util.List<ElasticsearchDomainStatus>",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "DomainStatusList",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "DomainStatusList",
      "uri" : false
   },
   "idempotencyToken" : false,
   "isBinary" : false,
   "jsonValue" : false,
   "list" : true,
   "listModel" : {
      "implType" : "java.util.ArrayList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
         "beanStyleGetterMethodName" : "getMember",
         "beanStyleSetterMethodName" : "setMember",
         "c2jName" : "member",
         "c2jShape" : "ElasticsearchDomainStatus",
         "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the {\@link ElasticsearchDomainStatus.Builder}
avoiding the need to create one manually via {\@link ElasticsearchDomainStatus#builder()}.\nWhen the {\@link Consumer} completes, {\@link ElasticsearchDomainStatus.Builder#build()} is called immediately and its result is
passed to {\@link #member(ElasticsearchDomainStatus)}.\n\n@returns Returns a reference to this object so that method calls can be
chained together.\n@see #member(ElasticsearchDomainStatus)
      "deprecated" : false,
      "documentation" : "",
      "endpointDiscoveryId" : false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterMethodName": "member",
"getterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
"getterMethodName": "member",
"getterModel": {
"returnType": "ElasticsearchDomainStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "ElasticsearchDomainStatus",
"variableName": "member",
"returnType": "ElasticsearchDomainStatus",
"isPayload": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"zeppelin": false,
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"variableType" : "ElasticsearchDomainStatus",
"documentation" : null,
"simpleType" : "ElasticsearchDomainStatus",
"variableSetterType" : "ElasticsearchDomainStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchDomainStatus",
  "variableName" : "member",
  "variableType" : "ElasticsearchDomainStatus",
  "documentation" : "",
  "simpleType" : "ElasticsearchDomainStatus",
  "variableSetterType" : "ElasticsearchDomainStatus"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ElasticsearchDomainStatus",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ElasticsearchDomainStatus",
"templateImplType" : "java.util.ArrayList<ElasticsearchDomainStatus>",
"templateType" : "java.util.List<ElasticsearchDomainStatus>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainStatusList",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>
@param domainStatusList The status of the domains
requested in the <code>DescribeElasticsearchDomains</code> request.",
"setterMethodName" : "setDomainStatusList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
  "variableName" : "domainStatusList",
  "variableType" : "java.util.List<ElasticsearchDomainStatus>",
  "documentation" : null,
  "simpleType" : "List<ElasticsearchDomainStatus>",
  "variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<ElasticsearchDomainStatus>",
...
"variableName" : "domainStatusList",
"variableType" : "java.util.List<ElasticsearchDomainStatus>",
"documentation" : "<p>The status of the domains requested in the
<code>DescribeElasticsearchDomains</code> request.</p>",
"simpleType" : "List<ElasticsearchDomainStatus>",
"variableSetterType" : "java.util.Collection<ElasticsearchDomainStatus>"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainStatusList" ],
"shapeName" : "DescribeElasticsearchDomainsResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeElasticsearchDomainsResponse",
"variableName" : "describeElasticsearchDomainsResponse",
"variableType" : "DescribeElasticsearchDomainsResponse",
"documentation" : null,
"simpleType" : "DescribeElasticsearchDomainsResponse",
"variableSetterType" : "DescribeElasticsearchDomainsResponse"
},
"wrapper" : false
},
"DescribeElasticsearchInstanceTypeLimitsRequest" : {
"c2jName" : "DescribeElasticsearchInstanceTypeLimitsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p> Container for the parameters to <code><a>DescribeElasticsearchInstanceTypeLimits</a></code> operation. </p>"},
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "DescribeElasticsearchInstanceTypeLimits",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/instanceTypeLimits/{ElasticsearchVersion}/{InstanceType}",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. 

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.

@param domainName a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together."
},
  "deprecated" : false,
  "documentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.
"},
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.
"},
  "getterDocumentation" : "DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain."
},
  "returnType" : "String",
  "documentation" : null}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "domainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt;&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain. &lt;/p&gt;&lt;param name="domainName" DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt;&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain.&gt;",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}

<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt;&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain.&gt;
should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.

"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : " <p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p> This is a convenience that creates an instance of the {
@endlink String.Builder} avoiding the need to create one manually via {
@endlink String#builder()}. When the {
@endlink Consumer} completes, {
@endlink String.Builder#build()} is called immediately and its result is passed to {
@endlink #instanceTypeAsString(String)}. 

@see #instanceType(String)

"deprecated" : false,
"documentation" : " <p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>"

@endlink String#builder()

"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : " <p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>

@see ESPartitionInstanceType

"fluentSetterMethodName" : "instanceType",
"getterDocumentation" : " <p> The instance type for an Elasticsearch cluster for which Elasticsearch <code> <a>Limits</a> </code> are needed. </p>

@see ESPartitionInstanceType

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>
<a>Limits</a> </code> are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code>
<a>Limits</a> </code> are needed.
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code>
<a>Limits</a> </code> are needed. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "{p} Version of Elasticsearch for which <code>\n<a>Limits</a> \n</code> are needed. \n\nThis is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. \nWhen the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #elasticsearchVersion(String)}. \n\n@param elasticsearchVersion a consumer that will call methods on {link String.Builder} \n\n@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)",
"deprecated" : false,
"documentation" : "{p} Version of Elasticsearch for which <code>\n<a>Limits</a> \n</code> are needed. \n\n\n@return Returns a reference to this object so that method calls can be chained together.
@see #elasticsearchVersion(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "{p} Version of Elasticsearch for which <code>\n<a>Limits</a> \n</code> are needed. \n\n@return Version of Elasticsearch for which <code>\n<a>Limits</a> \n</code> are needed.
@see #elasticsearchVersion(String)",
"fluentModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed.
\n@<p>aram elasticsearchVersion Version of Elasticsearch for which <code> <a>Limits</a> </code> are
needed.
\n"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p> DomainName represents the name of the Domain that
  we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code>
  for existing domain. </p>
  \n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link
  #domainName(String)}.\n\n  @param domainName a consumer that will call methods on { @link String.Builder}\n\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #domainName(String)",
    "deprecated" : false,
    "documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This
  should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.
  </p>"
DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain. &lt;/p&gt;&lt;param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain.&lt;/p&gt;&lt;return Returns a reference to this object so that method calls can be chained together.&gt;

DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain. &lt;/p&gt;&lt;return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch &lt;code&gt; &lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; for existing domain.&lt;/p&gt;
"setterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.",

"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"ElasticsearchVersion": {
  "beanStyleGetterMethodName": "getElasticsearchVersion",
  "beanStyleSetterMethodName": "setElasticsearchVersion",
  "c2jName": "ElasticsearchVersion",
  "c2jShape": "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation": "<p>Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #elasticsearchVersion(String)].\n@returns a consumer that will call methods on [ @link String.Builder]\n@returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(String)"
},
"deprecated": false,
"documentation": "<p>Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. \n@param elasticsearchVersion Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed.\n@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. \n@return Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. ",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. \n@param elasticsearchVersion Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. ",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "string",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
Version of Elasticsearch for which `<code>` Limits`</code> are needed.

The instance type for an Elasticsearch cluster for which Elasticsearch `<code>` Limits`</code>` are needed.

The instance type for an Elasticsearch cluster for which Elasticsearch `<code>` Limits`</code>` are needed.

If the service returns an enum value that is not available in the current SDK version, `instanceTypeAsString` will return `UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `instanceTypeAsString`. If the service returns a reference to this object so that method calls can be chained together,
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "uri",
    "marshallLocation" : "PATH",
    "marshallLocationName" : "InstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "InstanceType",
    "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a> </code> are needed. </p>@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a> </code> are needed. @see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
}
"documentation": "<p>The instance type for an Elasticsearch cluster for which Elasticsearch <code>Limits</code> are needed. </p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
},
"nonStreamingMembers": [ {
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
"c2jShape": "DomainName",
"defaultConsumerFluentSetterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>Limits</code> for existing domain. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#builder()} is called immediately and its result is passed to {@link String.Builder#build()}.

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When the @return Returns a reference to this object so that method calls can be chained together."
},
"deprecated": false,
"documentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>Limits</code> for existing domain. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#builder()} is called immediately and its result is passed to {@link String.Builder#build()}.

When the @return Returns a reference to this object so that method calls can be chained together."
},
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>Limits</code> for existing domain. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#builder()} is called immediately and its result is passed to {@link String.Builder#build()}.

When the @return Returns a reference to this object so that method calls can be chained together."
},
"fluentSetterMethodName": "domainName",
"getterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code>Limits</code> for existing domain. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#builder()} is called immediately and its result is passed to {@link String.Builder#build()}.

When the @return Returns a reference to this object so that method calls can be chained together."
},
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "domainName",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "domainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>

```
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain.
```

"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>

```
"simpleType" : "String",
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p> DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for Elasticsearch <code> <a>Limits</a> </code> for existing domain. </p>

```
"simpleType" : "String",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,
},
  {,
  "beanStyleGetterMethodName" : "getInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setInstanceType",
  "c2jName" : "InstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;a&gt;</code>This is a convenience that creates an instance of the [<@link String.Builder] avoiding the need to create one manually via [<@link String#builder()]].<code>&lt;/a&gt;</code>When the [<@link Consumer>] completes, [<@link String.Builder#build()]] is called immediately and its result is passed to [<@link #instanceTypeAsString(String)>].<code>&lt;/a&gt;</code>@param instanceType a consumer that will call methods on [<@link String.Builder]> <code>&lt;/a&gt;</code>@return Returns a reference to this object so that method calls can be chained together.<code>&lt;/a&gt;</code>@see #instanceType(String)
  
  "deprecated" : false,
  "documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;/a&gt;</code>The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;/a&gt;</code> are needed. <code>&lt;/a&gt;</code>
  "endpointDiscoveryId" : false,
  "enumType" : "ESPartitionInstanceType",
  "eventId" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "instanceType",
  "fluentEnumSetterMethodName" : "instanceType",
  "fluentGetterMethodName" : "instanceTypeAsString",
  "fluentSetterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;/a&gt;</code>The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;/a&gt;</code> are needed. <code>&lt;/a&gt;</code>@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;/a&gt;</code>@see ESPartitionInstanceType
  @return Returns a reference to this object so that method calls can be chained together.@see ESPartitionInstanceType",
  "fluentSetterMethodName" : "instanceType",
  "getterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. <code>&lt;/a&gt;</code> If the service returns an enum value that is not available in the current SDK version, [<@link #instanceType>] will return [<@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]]. The raw value returned by the service is available from [<@link ESPartitionInstanceTypeAsString]>.
  "returnType" : "String",
  "documentation" : null,
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"simple" : false,
"setterDocumentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.<a>@see ESPartitionInstanceType</a>
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p> The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed. </p>
@param instanceType The instance type for an Elasticsearch cluster for which Elasticsearch <code><a>Limits</a></code> are needed.<a>@see ESPartitionInstanceType</a>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "c2jType" : "String",
  "documentation" : "<p> The Elasticsearch version for the Elasticsearch cluster. </p>
@param elasticsearchVersion The Elasticsearch version for the Elasticsearch cluster.
@see ElasticsearchVersion"
}
"defaultConsumerFluentSetterDocumentation": "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchVersion(String)}.

@see #elasticsearchVersion(String)"
"deprecated": false,
"documentation": "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchVersion(String)}.

@see #elasticsearchVersion(String)"
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchVersion",
"fluentSetterDocumentation": "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchVersion(String)}.

@see #elasticsearchVersion(String)"
"fluentSetterMethodName": "elasticsearchVersion",
"getterDocumentation": "<p> Version of Elasticsearch for which <code> <a>Limits</a> </code> are needed. </p>

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchVersion(String)}.

@see #elasticsearchVersion(String)"
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "ElasticsearchVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchVersion",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt; Version of Elasticsearch for which &lt;code&gt;&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. 
&lt;/p&gt;&lt;p&gt; @param elasticsearchVersion Version of Elasticsearch for which &lt;code&gt;&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed.&lt;="/p&gt;",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
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  "variableType" : "String",
  "documentation" : "&lt;p&gt; Version of Elasticsearch for which &lt;code&gt;&lt;a&gt;Limits&lt;/a&gt; &lt;/code&gt; are needed. 
&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] },
"requestSignerAware" : false,
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"simpleMethod" : false,
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  "variableName" : "describeElasticsearchInstanceTypeLimitsRequest",
  "variableType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
  "documentation" : null,
  "simpleType" : "DescribeElasticsearchInstanceTypeLimitsRequest",
  "variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsRequest"
},
"wrapper" : false
].
"DescribeElasticsearchInstanceTypeLimitsResponse" : {
  "c2jName" : "DescribeElasticsearchInstanceTypeLimitsResponse",
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0 }
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"deprecated" : false,
"documentation" : "<p> Container for the parameters received from <code><a>DescribeElasticsearchInstanceTypeLimits</a></code> operation. </p>",
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"errorCode" : null,
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"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
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    "beanStyleSetterMethodName" : "setLimitsByRole",
    "c2jName" : "LimitsByRole",
    "c2jShape" : "LimitsByRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\nThis is a convenience that creates an instance of the [@link Map<String,Limits>.Builder] avoiding the need to create one manually via [@link Map<String,Limits>#builder()].\nWhen the [@link Consumer] completes, [@link Map<String,Limits>.Builder#build()] is called immediately and its result is passed to [@link LimitsByRole(Map<String,Limits>)]\n@see limitsByRole(Map<String,Limits>)\n@return Returns a reference to this object so that method calls can be chained together."
  },
  {
    "deprecated" : false,
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    "endpointDiscoveryId" : false,
    "enumType" : null,
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    "eventPayload" : false,
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    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "limitsByRole",
    "fluentSetterMethodName" : "limitsByRole",
    "fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n@param limitsByRole The new value for the LimitsByRole property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
  },
  {
    "getterDocumentation" : "limitsByRole",
    "getterMethodName" : "limitsByRole",
    "getterDocumentation" : "Returns the value of the LimitsByRole property for this object.\nAttempts to modify the collection returned by this method will result in an $UnsupportedOperationException.\n@return The value of the LimitsByRole property for this object."
}
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   "documentation": null
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   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "LimitsByRole",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "LimitsByRole",
   "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
   "implType": "java.util.HashMap",
   "interfaceType": "java.util.Map",
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   "keyModel": {
      "beanStyleGetterMethodName": "getKey",
      "beanStyleSetterMethodName": "setKey",
      "c2jName": "key",
      "c2jShape": "InstanceRole",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#key(String)}.\n@param key a consumer that will call methods on {link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
   "deprecated": false,
   "documentation": "",
   "endpointDiscoveryId": false,
   "enumType": null,
   "eventHeader": false,
   "eventPayload": false,
   "fluentEnumGetterMethodName": null,
   "implType": "java.util.HashMap",
   "interfaceType": "java.util.Map",
   "keyLocationName": "key",
   "keyModel": {
      "beanStyleGetterMethodName": "getKey",
      "beanStyleSetterMethodName": "setKey",
      "c2jName": "key",
      "c2jShape": "InstanceRole",
      "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#key(String)}.\n@param key a consumer that will call methods on {link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
   "deprecated": false,
   "documentation": "",
   "endpointDiscoveryId": false,
   "enumType": null,
   "eventHeader": false,
   "eventPayload": false,
   "fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.",
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  "documentation" : null
},
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"simple" : true,
"timestampFormat" : null,
"variable" : {
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    "variableName" : "key",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
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    "beanStyleSetterMethodName" : "setValue",
    "c2jName" : "value",
    "c2jShape" : "Limits",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the { @link Limits.Builder } avoiding the need to create one manually via { @link Limits.Builder#builder() }. When the { @link Consumer } completes, { @link Limits.Builder#build() } is called immediately and its result is passed to { @link #value(Limits) }. @param value a consumer that will call methods on { @link Limits.Builder } @return Returns a reference to this object so that method calls can be chained together. @see #value(Limits)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "value",
    "fluentSetterDocumentation" : "Sets the value of the Value property for this object. @param value The new value for the Value property for this object. @return Returns a reference to this object so that method calls can be chained together. ",
    "fluentSetterMethodName" : "value",
    "getterDocumentation" : "Returns the value of the Value property for this object. @return The value of the Value property for this object."
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    "documentation" : null
},
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    "additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."
,"setterMethodName" : "setValue",
"setterModel" : {
    "variableDeclarationType" : "Limits",
    "variableName" : "value",
    "variableType" : "Limits",
    "documentation" : null,
    "simpleType" : "Limits",
    "variableSetterType" : "Limits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Limits",
    "variableName" : "value",
    "variableType" : "Limits",
    "documentation" : "",
    "simpleType" : "Limits",
    "variableSetterType" : "Limits"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, Limits>",
"templateType" : "java.util.Map<String,Limits>"
"marshallingType" : "MAP",
"name" : "LimitsByRole",
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n\n@param limitsByRole The new value for the LimitsByRole property for this object.",
"setterMethodName" : "setLimitsByRole",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "java.util.Map<String,Limits>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String,Limits>",
  "documentation" : null,
  "simpleType" : "Map<String,Limits>",
  "variableSetterType" : "Java.util.Map<String,Limits>"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "LimitsByRole" : {
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    "beanStyleSetterMethodName" : "setLimitsByRole",
    "c2jName" : "LimitsByRole",
    "c2jShape" : "LimitsByRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n \nThis is a convenience that creates an instance of the {\link Map<String,Limits>.Builder} avoiding the need to create one manually via {\link Map<String,Limits>#builder()}.\n When the {\link Consumer} completes, {\link Map<String,Limits>.Builder#build()} is called immediately and its result is passed to {\link #limitsByRole(Map<String,Limits>)}\n \n@returns Returns a reference to this object so that method calls can be chained together.\n \n@see #limitsByRole(Map<String,Limits>)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "limitsByRole",
    "fluentSetterMethodName" : "limitsByRole",
    "setterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n\n@param limitsByRole The new value for the LimitsByRole property for this object.",
    "setterMethodName" : "setLimitsByRole",
    "setterModel" : {
      "variableDeclarationType" : "java.util.Map<String,Limits>",
      "variableName" : "limitsByRole",
      "variableType" : "java.util.Map<String,Limits>",
      "documentation" : null,
      "simpleType" : "Map<String,Limits>",
      "variableSetterType" : "Java.util.Map<String,Limits>"
  }
}
}
"fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n\n@param limitsByRole The new value for the LimitsByRole property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "limitsByRole",
"getterDocumentation" : "Returns the value of the LimitsByRole property for this object.\n<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n</p>\n@return The value of the LimitsByRole property for this object."
getterModel" : {
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  "documentation" : null
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"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
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  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LimitsByRole",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LimitsByRole",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "InstanceRole",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)"}}
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"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethod" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.
@return The value of the Key property for this object.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
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"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
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    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
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    "unmarshallLocationName" : "key",
    "uri" : false
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"idempotencyToken" : false,
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"jsonValue" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setKey"
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
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  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "Limits",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the { @link Limits.Builder } avoiding the need to create one manually via { @link Limits#builder() }. When the { @link Consumer } completes, { @link Limits.Builder#build() } is called immediately and its result is passed to { @link #value(Limits) }. @param value a consumer that will call methods on { @link Limits.Builder } @return Returns a reference to this object so that method calls can be chained together. @see #value(Limits)",
  "deprecated": false,
  "documentation": "",
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  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object. @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object. @return The value of the Value property for this object.",
  "getterModel": {
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    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
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  }
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"returnType": "Limits",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
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"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object."
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"setterModel": {
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"variableName": "value",
"variableType": "Limits",
"documentation": null,
"simpleType": "Limits",
"variableSetterType": "Limits"
},
"simple": false,
"timestampFormat": null,
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"variableName": "value",
"variableType": "Limits",
"documentation": "",
"simpleType": "Limits"}
"variableSetterType" : "Limits",
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, Limits>",
"templateType" : "java.util.Map<String, Limits>"
"marshallingType" : "MAP",
"name" : "LimitsByRole",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object. The new value for the LimitsByRole property for this object.

@param limitsByRole The new value for the LimitsByRole property for this object.

@see #limitsByRole(Map<String, Limits>)",
"setterMethodName" : "setLimitsByRole",
"setterModel" : {
"variableDeclarationType" : "java.util.Map<String, Limits>",
"variableName" : "limitsByRole",
"variableType" : "java.util.Map<String, Limits>",
"documentation" : null,
"simpleType" : "Map<String, Limits>",
"variableSetterType" : "java.util.Map<String, Limits>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String, Limits>",
"variableName" : "limitsByRole",
"variableType" : "java.util.Map<String, Limits>",
"documentation" : "",
"simpleType" : "Map<String, Limits>",
"variableSetterType" : "java.util.Map<String, Limits>",
"xmlNameSpaceUri" : null
}
",
"nonStreamingMembers" : [
"beanStyleGetterMethodName" : "getLimitsByRole",
"beanStyleSetterMethodName" : "setLimitsByRole",
"c2jName" : "LimitsByRole",
"c2jShape" : "LimitsByRole",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.

This is a convenience that creates an instance of the [Map<String, Limits>.Builder] avoiding the need to create one manually via [Map<String, Limits>#builder()]. When the [Consumer] completes, [Map<String, Limits>.Builder#build()] is called immediately and its result is passed to [Map<String, Limits>.Builder#build()] a consumer that will call methods on [Map<String, Limits>.Builder] a reference to this object so that method calls can be chained together.

@see #limitsByRole(Map<String, Limits>)",
"deprecated" : false,
"documentation" : ""
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"enumType" : null,
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"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitsByRole",
"fluentSetterDocumentation" : "Sets the value of the LimitsByRole property for this object.\n@param limitsByRole The new value for the LimitsByRole property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "limitsByRole",
"getterDocumentation" : "Returns the value of the LimitsByRole property for this object.\n\p\nAttempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n\p\n@return The value of the LimitsByRole property for this object.",
"getterModel" : {
"returnType" : "java.util.Map<String,Limits>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitsByRole",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitsByRole",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key"}
"c2jShape" : "InstanceRole",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via
{ @link String#builder() }.

When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to
{ @link #key(String) }.

@paramref key a consumer that will call methods on
{ @link String.Builder }.

@return Returns a reference to this object so that method calls can be chained together.

@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.
",
"getterModel" : {

"returnType" : "String",
"documentation" : null
}
",
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
}
",
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"sensitive": false,
"setterDocumentation": "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "Limits",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the { @link Limits.Builder} avoiding the need to create one manually via { @link Limits#builder()}. When the { @link Consumer} completes, { @link Limits.Builder#build()} is called immediately and its result is passed to { @link #value(Limits)}.

@see #value(Limits)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": null,
  "fluentSetterMethodName": null,
  "documentation": "",
  "endpointDiscoveryId": false,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": null,
  "fluentSetterMethodName": null,
  "documentation": "",
  "endpointDiscoveryId": false,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethod
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "Limits",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n
setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "Limits",
  "variableName" : "value",
  "variableType" : "Limits",
  "documentation" : null,
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Limits",
  "variableName" : "value",
  "variableType" : "Limits",
  "documentation" : "",
  "simpleType" : "Limits",
  "variableSetterType" : "Limits"
},
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, Limits>",
"templateType" : "java.util.Map<String, Limits>"
},
"marshallingType" : "MAP",
"name" : "LimitsByRole",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the LimitsByRole property for this object.

@target:\n
@param limitsByRole The new value for the LimitsByRole property for this object.",
"setterMethodName" : "setLimitsByRole",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String, Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String, Limits>",
  "documentation" : null,
  "simpleType" : "Map<String, Limits>",
  "variableSetterType" : "java.util.Map<String, Limits>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String, Limits>",
  "variableName" : "limitsByRole",
  "variableType" : "java.util.Map<String, Limits>",
  "documentation" : "",
  "simpleType" : "Map<String, Limits>",
  "variableSetterType" : "java.util.Map<String, Limits>"
},
"xmlNameSpaceUri" : null,
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeElasticsearchInstanceTypeLimitsResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
"variable" : {
    "variableDeclarationType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
    "variableName" : "describeElasticsearchInstanceTypeLimitsResponse",
    "variableType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
    "documentation" : null,
    "simpleType" : "DescribeElasticsearchInstanceTypeLimitsResponse",
    "variableSetterType" : "DescribeElasticsearchInstanceTypeLimitsResponse"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstanceOfferingsRequest" : {
    "c2jName" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p>Container for parameters to <code>DescribeReservedElasticsearchInstanceOfferings</code>.
    
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : {
        "action" : "DescribeReservedElasticsearchInstanceOfferings",
        "locationName" : null,
        "requestUri" : "/2015-01-01/es/reservedInstanceOfferings",
        "target" : null,
        "verb" : "GET",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        
        "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
        "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
        "c2jName" : "ReservedElasticsearchInstanceOfferingId",
        "c2jShape" : "GUID",
        "defaultValueConsumerFluentSetterDocumentation" : "<p>The offering identifier filter value. Use this parameter to
show only the available offering that matches the specified reservation identifier.</p>

This is a convenience that creates an instance of the [String.Builder](https://docs.oracle.com/javaee/7/api/java/lang/String.html#builder()) avoiding the need to create one manually via [String.Builder().](https://docs.oracle.com/javaee/7/api/java/lang/String.html#builder())

When the [Consumer](https://docs.oracle.com/javaee/7/api/java/util/consumer/package-summary.html) completes, [String.Builder.build()](https://docs.oracle.com/javaee/7/api/java/lang/String.html#builder()) is called immediately and its result is passed to [reservedElasticsearchInstanceOfferingId(String)](https://docs.oracle.com/javaee/7/api/com/amazonaws/services/elasticsearch/model/reservedElasticsearchInstanceOfferingId.html). 

@see reservedElasticsearchInstanceOfferingId

Returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceOfferingId(String)

"deprecated" : false,

"documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.";

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",

"fluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@see reservedElasticsearchInstanceOfferingId

The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@see #reservedElasticsearchInstanceOfferingId(String)\n
Returns a reference to this object so that method calls can be chained together.

"getterModel" : {

"returnType" : "String",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : "queryString",

"marshallLocation" : "QUERY_PARAM",

"marshallLocationName" : "offeringId",

"queryString" : true,

"statusCode" : false,

"unmarshallLocationName" : "offeringId",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

@param reservedElasticsearchInstanceOfferingId
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier."

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100.

This is a convenience that creates an instance of the [Integer.Builder] avoiding the need to create one manually via [Integer.Builder#builder()].

When the [Consumer] completes, [Integer.Builder#build()] is called immediately and its result is passed to [maxResults(Integer)].

@returns a reference to this object so that method calls can be chained together.

Set this value to limit the number of results returned. If not specified, defaults to 100."
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.<p></p>@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.<p></p>@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.<p></p>@return Set this value to limit the number of results returned. If not specified, defaults to 100.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.<p></p>@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
Set this value to limit the number of results returned. If not specified, defaults to 100.

NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.

When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #nextToken(String) \}.

@see #nextToken(String)
result containing NextToken. It is used for pagination.

```json
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "nextToken",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

```

```json
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
}

```


"variableType" : "String",
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"MaxResults" : {
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, [{link Integer.Builder#build()} is called immediately and its result is passed to [{link #maxResults(Integer)}].
@see #maxResults(Integer)
"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"isPayload" : false,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;&lt;param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "&lt;p&gt;Set this value to limit the number of results returned. If not specified, defaults to 100.&lt;/p&gt;",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken"
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #nextToken(String)].

@see #nextToken(String)

"deprecated" : false,

"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "nextToken",

"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #nextToken(String)].

@see #nextToken(String)

"fluentSetterMethodName" : "nextToken",

"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #nextToken(String)].

@see #nextToken(String)

"getterModel" : {

"returnType" : "String",

"documentation" : null
}.

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : "querystring",

"marshallLocation" : "QUERY_PARAM",

"marshallLocationName" : "nextToken",

"queryString" : true,

"statusCode" : false,

"unmarshallLocationName" : "nextToken",

"uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": <p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"ReservedElasticsearchInstanceOfferingId": {
  "beanStyleGetterMethodName": "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName": "setReservedElasticsearchInstanceOfferingId",
  "c2jName": "ReservedElasticsearchInstanceOfferingId",
  "c2jShape": "GUID",
  "defaultConsumerFluentSetterDocumentation": "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on <@link String.Builder>\n@return Returns a reference to this object so that method calls can be chained together.<@see #reservedElasticsearchInstanceOfferingId(String)>",
  "deprecated": false,
  "documentation": "<p>The offering identifier filter value. Use this parameter to show only the available
offering that matches the specified reservation identifier.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
@param
reservedElasticsearchInstanceOfferingId
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
@return
Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>
@return
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier."

"getterModel" : {
"returnType" : "String",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "offeringId",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "offeringId",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"isJsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier filter value. Use this parameter to show only the available
offering that matches the specified reservation identifier.

@param reservedElasticsearchInstanceOfferingId
The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"nonStreamingMembers" : [
    {
        "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
        "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
        "c2jName" : "ReservedElasticsearchInstanceOfferingId",
        "c2jShape" : "GUID",
        "defaultConsumerFluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link reservedElasticsearchInstanceOfferingId(String)}. 

@returns
Returns a reference to this object so that method calls can be chained together.

@see
#reservedElasticsearchInstanceOfferingId(String)",
    "deprecated" : false,
    "documentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.
endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\n@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\n@return Returns a reference to this object so that method calls can be chained together. ",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\n@return The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,  
   "additionalUnmarshallingPath" : null,  
   "flattened" : false,  
   "greedy" : false,  
   "header" : false,  
   "isPayload" : false,  
   "isStreaming" : false,  
   "location" : "querystring",  
   "marshallLocation" : "QUERY_PARAM",  
   "marshallLocationName" : "offeringId",  
   "queryString" : true,  
   "statusCode" : false,  
   "unmarshallLocationName" : "offeringId",  
   "uri" : false
},
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"marshallingType" : "STRING",  
"name" : "ReservedElasticsearchInstanceOfferingId",  
"sensitive" : false,  
"setterDocumentation" : "The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\n@param reservedElasticsearchInstanceOfferingId The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.\n\n@return The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier. ",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "reservedElasticsearchInstanceOfferingId"}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "<p>The offering identifier filter value. Use this parameter to show only the available offering that matches the specified reservation identifier.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].
When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #maxResults(Integer)].
@see #maxResults(Integer)",
"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@see #maxResults(Integer)",
"getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@see #maxResults(Integer)",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
}
Set this value to limit the number of results returned. If not specified, defaults to 100.

```json
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
  "simpleType" : "Integer",
}
"variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
}, {
"beanStyleMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. 

@param nextToken a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. 

@param nextToken a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. 

@param nextToken a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. 

@param nextToken a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",}
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "variableName" : "nextToken",
  "variableType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
  "variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsRequest"}
"variableName" : "describeReservedElasticsearchInstanceOfferingsRequest",
"variableType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"documentation" : null,
"simpleType" : "DescribeReservedElasticsearchInstanceOfferingsRequest",
"variableSetterType" : "DescribeReservedElasticsearchInstanceOfferingsRequest"
},
"wrapper" : false
},
"DescribeReservedElasticsearchInstanceOfferingsResponse" : {
"c2jName" : "DescribeReservedElasticsearchInstanceOfferingsResponse",
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "Container for results from <code>DescribeReservedElasticsearchInstanceOfferings</code>.",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "NextToken",
    "defaultConsumerFluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to the consumer that will call methods on the {@link String.Builder}.
"return" Returns a reference to this object so that method calls can be chained together.
"@see #nextToken(String)"
},
"deprecated" : false,
"documentation" : "Provides an identifier to allow retrieval of paginated results.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
null, "fluentSetterMethodName": "nextToken",
"fluentGetterMethodName": "nextToken",
"getterDocumentation": "Provides an identifier to allow retrieval of paginated results.
@return Returns a reference to this object so that method calls can be chained together.",
"setterDocumentation": "Provides an identifier to allow retrieval of paginated results.",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NextToken",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "Provides an identifier to allow retrieval of paginated results.",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
"simpleType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"variableDeclarationType" : "String",
"variableSetterType" : "String"
},
"variable" : {
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, { 
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
"c2jName" : "ReservedElasticsearchInstanceOfferings",
"c2jShape" : "ReservedElasticsearchInstanceOfferingList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
This is a convenience that creates an instance of the { @link List<ReservedElasticsearchInstanceOffering>.Builder} avoiding the need to create one manually via { @link List<ReservedElasticsearchInstanceOffering>#builder()}.

When the { @link Consumer} completes, { @link List<ReservedElasticsearchInstanceOffering>.Builder#build()} is called immediately and its result is passed to { @link List<ReservedElasticsearchInstanceOffering>}.Builder}.

@param reservedElasticsearchInstanceOfferings a consumer that will call methods on { @link List<ReservedElasticsearchInstanceOffering>.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings
@return Returns a reference to this object so that method calls can be chained together.
@see reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
"getterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return List of reserved Elasticsearch instance offerings",
"getterModel" : {
"returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : null
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{ @link ReservedElasticsearchInstanceOffering.Builder \} avoiding the need to create one manually via \{ @link ReservedElasticsearchInstanceOffering#builder() \}. When the \{ @link Consumer \} completes, \{ @link ReservedElasticsearchInstanceOffering.Builder#build() \} is called immediately and its result is passed to \{ @link #member(ReservedElasticsearchInstanceOffering) \}. \n\n@param member a consumer that will call methods on \{ @link ReservedElasticsearchInstanceOffering.Builder \} \n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #member(ReservedElasticsearchInstanceOffering)"
  },
calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.",
"getterModel" : {
    "returnType" : "ReservedElasticsearchInstanceOffering",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
    "variableName" : "member",
    "variableType" : "ReservedElasticsearchInstanceOffering",
    "documentation" : null,
    "simpleType" : "ReservedElasticsearchInstanceOffering",
    "variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstanceOffering",
"documentation" : "",
"simpleType" : "ReservedElasticsearchInstanceOffering",
"variableSetterType" : "ReservedElasticsearchInstanceOffering",
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstanceOffering",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstanceOfferings",
"sensitive" : false,
"setterDocumentation" : "\nList of reserved Elasticsearch instance offerings\n\n@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings",
"setterMethodName" : "setReservedElasticsearchInstanceOfferings",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"variableName" : "reservedElasticsearchInstanceOfferings",
"variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"variableName" : "reservedElasticsearchInstanceOfferings",
"variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : "List of reserved Elasticsearch instance offerings",
"simpleType" : "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>",
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
}
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.
  
  @param nextToken a consumer that will call methods on {@link String.Builder}
  
  @return Returns a reference to this object so that method calls can be chained together.
  
  @see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>Provides an identifier to allow retrieval of paginated results.</p>"
},
"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>Provides an identifier to allow retrieval of paginated results.</p>
  <p>Provides an identifier to allow retrieval of paginated results.</p>",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results."
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferings" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
  "c2jName" : "ReservedElasticsearchInstanceOfferings",
  "c2jShape" : "ReservedElasticsearchInstanceOfferingList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instance offerings</p>
This is a convenience that creates an instance of the { @link
List<ReservedElasticsearchInstanceOffering>.Builder} avoiding the need to create one manually via { @link
List<ReservedElasticsearchInstanceOffering>#builder()}. When the { @link Consumer} completes, { @link
List<ReservedElasticsearchInstanceOffering>.Builder#build()} is called immediately and its result is passed to
{ @link #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)}.
@return Returns a reference to this object so that method calls can be chained together.
@see
#reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",
  "deprecated" : false,
  "documentation" : "<p>List of reserved Elasticsearch instance offerings</p>"}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
"fluentSetterDocumentation" : "\n@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings\n@return Returns a reference to this object so that method calls can be chained together.\",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferings",
"getterDocumentation" : "\n@param reservedElasticsearchInstanceOfferings\n@return List of reserved Elasticsearch instance offerings\n Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return List of reserved Elasticsearch instance offerings",
"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>\",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [ @link"
ReservedElasticsearchInstanceOffering.Builder} avoiding the need to create one manually via \[@link ReservedElasticsearchInstanceOffering#builder()\].

When the \[@link Consumer\] completes, \[@link ReservedElasticsearchInstanceOffering.Builder#build()\] is called immediately and its result is passed to \[@link ReservedElasticsearchInstanceOffering#member(ReservedElasticsearchInstanceOffering)\].

@see #member(ReservedElasticsearchInstanceOffering)

```java
@link Consumer\]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(ReservedElasticsearchInstanceOffering)
```
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "ReservedElasticsearchInstanceOffering",
  "variableName": "member",
  "variableType": "ReservedElasticsearchInstanceOffering",
  "documentation": null,
  "simpleType": "ReservedElasticsearchInstanceOffering",
  "variableSetterType": "ReservedElasticsearchInstanceOffering"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ReservedElasticsearchInstanceOffering",
  "variableName": "member",
  "variableType": "ReservedElasticsearchInstanceOffering",
  "documentation": null,
  "simpleType": "ReservedElasticsearchInstanceOffering",
  "variableSetterType": "ReservedElasticsearchInstanceOffering"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "ReservedElasticsearchInstanceOffering",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "ReservedElasticsearchInstanceOffering",
"templateImplType": "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType": "java.util.List<ReservedElasticsearchInstanceOffering>"},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "ReservedElasticsearchInstanceOfferings",
"sensitive": false,
"setterDocumentation": "<p>List of reserved Elasticsearch instance offerings</p>\n@param reservedElasticsearchInstanceOfferings List of reserved Elasticsearch instance offerings",
"setterMethodName": "setReservedElasticsearchInstanceOfferings",
"setterModel": {
  "variableDeclarationType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName": "reservedElasticsearchInstanceOfferings",
  "variableType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType": "java.util.List<ReservedElasticsearchInstanceOffering>"}
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"variableName" : "reservedElasticsearchInstanceOfferings",
"variableType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
"documentation" : "<p>List of reserved Elasticsearch instance offerings</p>",
"simpleType" : "List<ReservedElasticsearchInstanceOffering>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstanceOffering>"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. The nextToken a consumer that will call methods on {@link String.Builder}.
@see #nextToken(String)"
},
"deprecated" : false,
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results.
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@return Provides an identifier to allow retrieval of paginated results.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"敏感" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}.
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferings",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferings",
"c2jName" : "ReservedElasticsearchInstanceOfferings",
"c2jShape" : "ReservedElasticsearchInstanceOfferingList",
"defaultConsumerFluentSetterDocumentation" : "<p> List of reserved Elasticsearch instance offerings

This is a convenience that creates an instance of the List<ReservedElasticsearchInstanceOffering>.Builder avoiding the need to create one manually via List<ReservedElasticsearchInstanceOffering>#builder(). When the Consumer completes, List<ReservedElasticsearchInstanceOffering>.Builder#build() is called immediately and its result is passed to List<ReservedElasticsearchInstanceOfferings>(List<ReservedElasticsearchInstanceOffering>).

@link List<ReservedElasticsearchInstanceOffering>.Builder

@return Returns a reference to this object so that method calls can be chained together.

#reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",

"deprecated" : false,
"documentation" : "<p> List of reserved Elasticsearch instance offerings

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return List of reserved Elasticsearch instance offerings

getters: "_reservedElasticsearchInstanceOfferings",

gettersDocumentation" : "<p> List of reserved Elasticsearch instance offerings

@link List<ReservedElasticsearchInstanceOffering>

@see #reservedElasticsearchInstanceOfferings(List<ReservedElasticsearchInstanceOffering>)",

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferings",
"fluentSetterDocumentation" : "<p> List of reserved Elasticsearch instance offerings

\n\n@param List<ReservedElasticsearchInstanceOffering> list of reserved Elasticsearch instance offerings\n\n@return Returns a reference to this object so that method calls can be chained together.
"

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferings",

"getterDocumentation" : "<p> List of reserved Elasticsearch instance offerings

\n\n@throws UnsupportedOperationException

@return List of reserved Elasticsearch instance offerings",

"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "queryString" : false,
  "statusCode" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
    "queryString" : false,
    "statusCode" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  },
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferings",
  "queryString" : false,
  "statusCode" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferings",
}

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"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
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  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstanceOffering",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [@link
ReservedElasticsearchInstanceOffering.Builder] avoiding the need to create one manually via [@link
ReservedElasticsearchInstanceOffering#builder()].\nWhen the [@link Consumer] completes, [@link
ReservedElasticsearchInstanceOffering.Builder#build()] is called immediately and its result is passed to [@link
#member(ReservedElasticsearchInstanceOffering)].\n@param member a consumer that will call methods on
[@link ReservedElasticsearchInstanceOffering.Builder]\n@returns a reference to this object so that method
calls can be chained together.\n@see #member(ReservedElasticsearchInstanceOffering)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns a reference to this object so that method
calls can be chained together.
@see #member(ReservedElasticsearchInstanceOffering)",
"getterModel" : {
  "returnType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null
},
"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
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"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false}

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
}

"simple" : false,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstanceOffering",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstanceOffering",
  "variableSetterType" : "ReservedElasticsearchInstanceOffering"
}

"xmlNameSpaceUri" : null

"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstanceOffering",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
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"templateImplType": "java.util.ArrayList<ReservedElasticsearchInstanceOffering>",
"templateType": "java.util.List<ReservedElasticsearchInstanceOffering>",
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "ReservedElasticsearchInstanceOfferings",
"sensitive": false,
"setterDocumentation": "List of reserved Elasticsearch instance offerings",
"setterMethodName": "setReservedElasticsearchInstanceOfferings",
"setterModel": {
  "variableDeclarationType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName": "reservedElasticsearchInstanceOfferings",
  "variableType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation": null,
  "simpleType": "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType": "java.util.Collection<ReservedElasticsearchInstanceOffering>",
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "variableName": "reservedElasticsearchInstanceOfferings",
  "variableType": "java.util.List<ReservedElasticsearchInstanceOffering>",
  "documentation": "List of reserved Elasticsearch instance offerings",
  "simpleType": "List<ReservedElasticsearchInstanceOffering>",
  "variableSetterType": "java.util.Collection<ReservedElasticsearchInstanceOffering>",
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DescribeReservedElasticsearchInstanceOfferingsResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "variableName": "describeReservedElasticsearchInstanceOfferingsResponse",
  "variableType": "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "documentation": null,
  "simpleType": "DescribeReservedElasticsearchInstanceOfferingsResponse",
  "variableSetterType": "DescribeReservedElasticsearchInstanceOfferingsResponse"
}
"DescribeReservedElasticsearchInstancesRequest" : {
    "c2jName" : "DescribeReservedElasticsearchInstancesRequest",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "Container for parameters to DescribeReservedElasticsearchInstances",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : {
        "action" : "DescribeReservedElasticsearchInstances",
        "locationName" : null,
        "requestUri" : "/2015-01-01/es/reservedInstances",
        "target" : null,
        "verb" : "GET",
        "xmlNameSpaceUri" : null
    },
    "members" : [
        {
            "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
            "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
            "c2jName" : "ReservedElasticsearchInstanceId",
            "c2jShape" : "GUID",
            "defaultValueConsumerFluentSetterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID."
        }
    ],
    "deprecated" : false,
"documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@return The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "reservationId",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId"
"sensitive" : false,
"setterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. a consumer that will call methods on { @link Integer.Builder} Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)",
"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>"
"fluentSetterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@return Set this value to limit the number of results returned. If not specified, defaults to 100.
",
"getterModel": {
"returnType": "Integer",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "maxResults",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "maxResults",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaxResults",
"sensitive": false,
"setterDocumentation": "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
",
"setterMethodName": "setMaxResults",
"setterModel": {
"variableDeclarationType": "Integer",
"variableName": "maxResults",
"variableType": "Integer",
"documentation": null,
"simpleType": "Integer",
"variableSetterType": "Integer"
}
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maxResults",
  "variableType": "Integer",
  "documentation": "Set this value to limit the number of results returned. If not specified, defaults to 100."",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlnsNameSpaceUri": null
},

"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder().
When the @link Consumer completes, String#builder().build() is called immediately and its result is passed to String.Token(String). When the Consumer completes, the result is passed to the @link String#builder().build() method.

@see #nextToken(String)

"deprecated": false,
"documentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

@param nextToken a consumer that will call methods on String.Builder

@see #nextToken(String)

@return Returns a reference to this object so that method calls can be chained together.

@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."

@see #nextToken(String)

@return Returns a reference to this object so that method calls can be chained together.

@GetMapping

"http": {
  "additionalMarshallingPath": null,
}
"http": {
  "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
"membersAsMap" : { 
  "MaxResults" : { 
    "beanStyleGetterMethodName" : "getMaxResults",
    "beanStyleSetterMethodName" : "setMaxResults",
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>\n    This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].\n    When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #maxResults(Integer)].\n    @param maxResults a consumer that will call methods on [@link Integer.Builder]\n    @return Returns a reference to this object so that method calls can be chained together.\n    see [#maxResults(Integer)"],
    "deprecated" : false,
    "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "maxResults",
    "fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>\n    @param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.\n    @return Returns a reference to this object so that method calls can be chained together.\n    ,
    "fluentSetterMethodName" : "maxResults",
    "getterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>\n    Get this value to limit the number of results returned. If not specified, defaults to 100.\n    Set this value to limit the number of results returned. If not specified, defaults to 100.",
    "getterModel" : { 
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : { 
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : "querystring",
      "marshallLocation" : "QUERY_PARAM",
      "marshallLocationName" : "maxResults",
      "queryString" : true,
      "statusCode" : false,
      "unmarshallLocationName" : "maxResults"
  }
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "NextToken",
    "defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.<p@param nextToken a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.<p@see
#nextToken(String)

"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result
containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing
NextToken. It is used for pagination.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "nextToken",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken"
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
"setterMethodName" : "getNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
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"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"ReservedElasticsearchInstanceId" : {
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
    "c2jName" : "ReservedElasticsearchInstanceId",
    "c2jShape" : "GUID",
    "defaultConsumerFluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>\n@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.<p>@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.<p>@return The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : "querystring",
 "marshallLocation" : "QUERY_PARAM",
 "marshallLocationName" : "reservationId",
 "queryString" : true,
 "statusCode" : false,
 "unmarshallLocationName" : "reservationId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
 "marshallingType" : "STRING",
 "name" : "ReservedElasticsearchInstanceId",
 "sensitive" : false,
 "setterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>\n@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
 "setterMethodName" : "setReservedElasticsearchInstanceId",
 "setterModel" : {
 "variableDeclarationType" : "String",
}
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [{
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"deprecated" : false,
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
"endpointDiscoveryId" : false,
"documentation" : "The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
"endpointDiscoveryId" : false,
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
\n@return The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "reservationId",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "reservationId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.
\n@param reservedElasticsearchInstanceId The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>The reserved instance identifier filter value. Use this parameter to show only the reservation that matches the specified reserved Elasticsearch instance ID.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link MaxResults(Integer)}. When a parameter maxResults a consumer that will call methods on {@link Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #maxResults(Integer)",
"deprecated" : false,
"documentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p>Set this value to limit the number of results returned. If not specified, defaults to 100.</p>
@return Set this value to limit the number of results returned. If not specified, defaults to 100.@return Returns a reference to this object so that method calls can be chained together.@see #maxResults(Integer)",
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100."
@param maxResults Set this value to limit the number of results returned. If not specified, defaults to 100.
",
"setterMethodName" : "setMaxResults",
"setterModel" : {

"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "Set this value to limit the number of results returned. If not specified, defaults to 100."
",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},

"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}.

@param nextToken a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.
@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>
@return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},

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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.</p>\n@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstancesRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DescribeReservedElasticsearchInstancesRequest",
  "variableName" : "describeReservedElasticsearchInstancesRequest",
  "variableType" : "DescribeReservedElasticsearchInstancesRequest",
  "documentation" : null,
  "simpleType" : "DescribeReservedElasticsearchInstancesRequest",
  "variableSetterType" : "DescribeReservedElasticsearchInstancesRequest"
"DescribeReservedElasticsearchInstancesResponse" : {
    "c2jName" : "DescribeReservedElasticsearchInstancesResponse",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "Container for results from `DescribeReservedElasticsearchInstances`",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "httpStatusCode" : null,
    "marshaller" : null,
    "members" : [ {
        "beanStyleGetterMethodName" : "getNextToken",
        "beanStyleSetterMethodName" : "setNextToken",
        "c2jName" : "NextToken",
        "c2jShape" : "String",
        "defaultConsumerFluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results. This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()` when the `Consumer` completes, e.g. `String.Builder#build()` is called immediately and its result is passed to `nextToken(String)` so that method calls can be chained together.\n\n@see #nextToken(String)"
    },
    "deprecated" : false,
    "documentation" : "Provides an identifier to allow retrieval of paginated results.\n\n@see #nextToken(String)"
    },
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "nextToken",
    "fluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results.\n\n@see #nextToken(String)"
    },
    "fluentSetterDocumentation" : "Provides an identifier to allow retrieval of paginated results.\n\n@see #nextToken(String)"
    },
so that method calls can be chained together.

"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@return Provides an identifier to allow retrieval of paginated results.

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"simple" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param refreshToken Provides an identifier to allow retrieval of paginated results.

"setterMethodName" : "setNextToken",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
"c2jName" : "ReservedElasticsearchInstances",
"c2jShape" : "ReservedElasticsearchInstanceList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the {@link List<ReservedElasticsearchInstance>.Builder} avoiding the need to create one manually via {@link List<ReservedElasticsearchInstance>#builder()}. When the @link Consumer completes, @link List<ReservedElasticsearchInstance>.Builder#build() is called immediately and its result is passed to @link #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>) .
@param reservedElasticsearchInstances a consumer that will call methods on @link List<ReservedElasticsearchInstance>.Builder@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
"deprecated" : false,
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstances",
"fluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "reservedElasticsearchInstances",
"getterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
Attemps to modify the collection returned by this method will result in an UnsupportedOperationException.
@return List of reserved Elasticsearch instances.
"getterModel" : {
"returnType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstances",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstance",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link ReservedElasticsearchInstance.Builder} avoiding the need to create one manually via {@link ReservedElasticsearchInstance#builder()}. When the { @link Consumer} completes, { @link ReservedElasticsearchInstance.Builder#build()} is called immediately and its result is passed to { @link #member(ReservedElasticsearchInstance)}.

@see #member(ReservedElasticsearchInstance)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. Returns a reference to this object so that method calls can be chained together.

@see #member(ReservedElasticsearchInstance)",
"getterModel" : {
  "returnType" : "ReservedElasticsearchInstance",
  "documentation" : null
},
"http" : {

"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstances",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstances",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstance",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link ReservedElasticsearchInstance.Builder} avoiding the need to create one manually via { @link ReservedElasticsearchInstance#builder()}. When the { @link Consumer} completes, { @link ReservedElasticsearchInstance.Builder#build()} is called immediately and its result is passed to { @link #member(ReservedElasticsearchInstance)}.

@see #member(ReservedElasticsearchInstance)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. Returns a reference to this object so that method calls can be chained together.

@see #member(ReservedElasticsearchInstance)",
"getterModel" : {
  "returnType" : "ReservedElasticsearchInstance",
  "documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstance",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstance",
  "documentation" : null,
  "variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstance",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstance",
  "documentation" : "",
  "simpleType" : "ReservedElasticsearchInstance",
  "variableSetterType" : "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri" : null
}.
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"sensitive" : false,
"setterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>@param
reservedElasticsearchInstances List of reserved Elasticsearch instances."
,"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p",
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"xmlNameSpaceUri" : null
} ],
"membersAsMap" : {
"NextToken" : {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>\n\nThis is a convenience that creates an instance of the @link String.Builder@ link avoiding the need to create one manually via @link String#builder@ link().\n\nWhen the @link Consumer@ link completes, @link String.Builder#build@ link() is called immediately and its result is passed to @link #nextToken(String)@ link().\n\n@param reservedElasticsearchInstances List of reserved Elasticsearch instances."
,"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p",
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p",
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>"
},
"xmlNameSpaceUri" : null
} ],
nextToken a consumer that will call methods on {\link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.{\see #nextToken(String)}
  "deprecated" : false,
  "documentation" : "\p>Provides an identifier to allow retrieval of paginated results.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "\p>Provides an identifier to allow retrieval of paginated results.</p>\n@param nextToken Provides an identifier to allow retrieval of paginated results.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "\p>Provides an identifier to allow retrieval of paginated results.</p>
@param nextToken Provides an identifier to allow retrieval of paginated results.
@return Provides an identifier to allow retrieval of paginated results."
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "NextToken",
  "sensitive" : false,
  "setterDocumentation" : "\p>Provides an identifier to allow retrieval of paginated results.</p>\n@param
nextToken Provides an identifier to allow retrieval of paginated results.

"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : <p>Provides an identifier to allow retrieval of paginated results.</p>
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstances" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
  "c2jName" : "ReservedElasticsearchInstances",
  "c2jShape" : "ReservedElasticsearchInstanceList",
  "defaultConsumerFluentSetterDocumentation" : <p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the [@link List<ReservedElasticsearchInstance>.Builder] avoiding the need to create one manually via [@link List<ReservedElasticsearchInstance>#builder()]. When the [@link Consumer] completes, [@link List<ReservedElasticsearchInstance>.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)].

@param reservedElasticsearchInstances a consumer that will call methods on [@link List<ReservedElasticsearchInstance>.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>)",
  "deprecated" : false,
  "documentation" : <p>List of reserved Elasticsearch instances.</p>
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstances",
"fluentSetterDocumentation" : <p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "reservedElasticsearchInstances"
"getterDocumentation" : "List of reserved Elasticsearch instances. Attempts to modify the collection returned by this method will result in a UnsupportedOperationException.

@return List of reserved Elasticsearch instances."

"getterModel" : {
    "returnType" : "java.util.List<ReservedElasticsearchInstance>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstances",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstances",
    "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "ReservedElasticsearchInstance",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ReservedElasticsearchInstance.Builder] avoiding the need to create one manually via [ReservedElasticsearchInstance#builder()]. When the [Consumer] completes, [ReservedElasticsearchInstance.Builder#build()] is called immediately and its result is passed to [ReservedElasticsearchInstance.Builder] methods on [ReservedElasticsearchInstance.Builder]@return Returns a reference to this object so that method calls can be chained together.@see #member(ReservedElasticsearchInstance)"
    }
}
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "ReservedElasticsearchInstance",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstance",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstance",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstance",
"documentation" : null,
"variableSetterType" : "ReservedElasticsearchInstance"
],
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstance",
"variableName" : "member",
"variableType" : "ReservedElasticsearchInstance",
"documentation" : "",
"simpleType" : "ReservedElasticsearchInstance",
"variableSetterType" : "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"sensitive" : false,
"setterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
@param reservedElasticsearchInstances List of reserved Elasticsearch instances.",
"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"simpleType" : "List<ReservedElasticsearchInstance>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"simpleType" : "List<ReservedElasticsearchInstance>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>",
"xmlNameSpaceUri" : null
},
]
,"nonStreamingMembers" : [
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}.\n\n@param nextToken a consumer that will call methods on \{@link String.Builder\}\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}.\n\n@param nextToken a consumer that will call methods on \{@link String.Builder\}\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}.\n\n@param nextToken Provides an identifier to allow retrieval of paginated results.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)",
"getterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.\n\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #nextToken(String)\}.\n\n@returns Provides an identifier to allow retrieval of paginated results.”,
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>
@param
nextToken Provides an identifier to allow retrieval of paginated results.
",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Provides an identifier to allow retrieval of paginated results.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservedElasticsearchInstances",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstances",
"c2jName" : "ReservedElasticsearchInstances",
"c2jShape" : "ReservedElasticsearchInstanceList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of reserved Elasticsearch instances.</p>
This is a convenience that creates an instance of the { @link List<ReservedElasticsearchInstance>.Builder} avoiding the need to create one manually via { @link List<ReservedElasticsearchInstance>#builder()}.

When the { @link Consumer} completes, { @link List<ReservedElasticsearchInstance>.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>\))}. 

@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstances(List<ReservedElasticsearchInstance>\)


"deprecated" : false,
"documentation" : "List of reserved Elasticsearch instances.";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstances",
"fluentSetterDocumentation" : "List of reserved Elasticsearch instances.
@param
reservedElasticsearchInstances List of reserved Elasticsearch instances.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "reservedElasticsearchInstances",
"getterDocumentation" : "List of reserved Elasticsearch instances.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return List of reserved Elasticsearch instances.
"getterModel" : {
  "returnType" : "java.util.List<ReservedElasticsearchInstance>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstances",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstances",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ReservedElasticsearchInstance",
"reservedElasticsearchInstances"}
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ReservedElasticsearchInstance.Builder] avoiding the need to create one manually via [ReservedElasticsearchInstance.Builder.build()]. When the [Consumer] completes, [ReservedElasticsearchInstance.Builder.build()] is called immediately and its result is passed to [ReservedElasticsearchInstance].

@param member a consumer that will call methods on [ReservedElasticsearchInstance.Builder]
@returns a reference to this object so that method calls can be chained together.

@see #member(ReservedElasticsearchInstance)",

"deprecated" : false,
"documentation" : ",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@returns The new value for the Member property for this object.

@returns returns a reference to this object so that method calls can be chained together.,
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.

getterModel" : {
"returnType" : "ReservedElasticsearchInstance",
"documentation" : null
}
,"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "ReservedElasticsearchInstance",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstance",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstance",
  "variableSetterType" : "ReservedElasticsearchInstance"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstance",
  "variableName" : "member",
  "variableType" : "ReservedElasticsearchInstance",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstance",
  "variableSetterType" : "ReservedElasticsearchInstance"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "ReservedElasticsearchInstance",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "ReservedElasticsearchInstance",
"templateImplType" : "java.util.ArrayList<ReservedElasticsearchInstance>",
"templateType" : "java.util.List<ReservedElasticsearchInstance>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ReservedElasticsearchInstances",
"sensitive" : false,
"setterDocumentation" : "List of reserved Elasticsearch instances.\n\n@param reservedElasticsearchInstances List of reserved Elasticsearch instances."

"setterMethodName" : "setReservedElasticsearchInstances",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
  "variableName" : "reservedElasticsearchInstances",
  "variableType" : "reservedElasticsearchInstances"
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : null,
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<ReservedElasticsearchInstance>",
"variableName" : "reservedElasticsearchInstances",
"variableType" : "java.util.List<ReservedElasticsearchInstance>",
"documentation" : "<p>List of reserved Elasticsearch instances.</p>",
"simpleType" : "List<ReservedElasticsearchInstance>",
"variableSetterType" : "java.util.Collection<ReservedElasticsearchInstance>
"},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DescribeReservedElasticsearchInstancesResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "DescribeReservedElasticsearchInstancesResponse",
"variableName" : "describeReservedElasticsearchInstancesResponse",
"variableType" : "DescribeReservedElasticsearchInstancesResponse",
"documentation" : null,
"simpleType" : "DescribeReservedElasticsearchInstancesResponse",
"variableSetterType" : "DescribeReservedElasticsearchInstancesResponse"
"wrapper" : false
},
"DisabledOperationException" : {
"c2jName" : "DisabledOperationException",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</p>"
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : "DisabledOperationException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 409,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "DisabledOperationException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "DisabledOperationException",
  "variableName" : "disabledOperationException",
  "variableType" : "DisabledOperationException",
  "documentation" : null,
  "simpleType" : "DisabledOperationException",
  "variableSetterType" : "DisabledOperationException"
},
"wrapper" : false
},
"DomainInfo" : {
  "c2jName" : "DomainInfo",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
  
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "\n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()}.\n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link #domainName(String)}.\n\n\n@see #domainName(String)"
,
  "deprecated" : false,
  "documentation" : "\n\nSpecifies the \n<code>DomainName</code>.\n\n\n@see #domainName(String)"
,
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "\n\nSpecifies the \n<code>DomainName</code>.\n\n\n@see #domainName(String)"
,
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "\n\nSpecifies the \n<code>DomainName</code>.\n\n\n@see #domainName(String)"
,
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
  },
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
}
,"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>. </p>
@param domainName Specifies the <code>DomainName</code>. ",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p> Specifies the <code>DomainName</code>. </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>. </p>
  
  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}. 
  
  @param domainName a consumer that will call methods on { @link String.Builder}
  
  @return Returns a reference to this object so that method calls can be
chained together.

```javascript
@see #domainName(String)
```

"deprecated" : false,
"documentation" : "<p> Specifies the <code>DomainName</code>.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
@param domainName
Specifies the <code>DomainName</code>.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
@return Specifies the
<code>DomainName</code>.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
@param domainName
Specifies the <code>DomainName</code>.",
"setterModel" : {
  "returnType" : "DomainName",
  "documentation" : null
},
"type" : "DomainName",
"uri" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"isOptional" : false,
"isParent" : false,
"isResource" : false,
"isService" : false,
"isServiceId" : false,
"isServiceName" : false,
"isServiceValue" : false,
"isType" : false,
"isVariable" : false,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"marshallType" : "STRING",
"marshallTypeDefinition" : {
  "name" : "DomainName",
  "documentation" : null
},
"model" : {
  "returnType" : "DomainName",
  "documentation" : null
},
"unmarshallLocationName" : "DomainName",
"unmarshallType" : "STRING",
"unmarshallTypeDefinition" : {
  "name" : "DomainName",
  "documentation" : null
}]
```
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "<p> Specifies the <code>DomainName</code>.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {
@link String#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.  
@returns Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the <code>DomainName</code>.
@returns Specifies the <code>DomainName</code>.
@see #domainName(String)",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "<p> Specifies the <code>DomainName</code>.
@returns Specifies the <code>DomainName</code>.
@see #domainName(String)",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "<p> Specifies the <code>DomainName</code>.
@returns Specifies the <code>DomainName</code>.
@see #domainName(String)",
    "getterEnumDocumentation" : null,
    "getterEnumName" : null,
    "getDbName" : null,
    "getDbNameDocumentation" : null,
    "getDbNameEnumDocumentation" : null,
    "getDbNameEnumName" : null,
    "getDbNameList" : null,
    "getDbNameListDocumentation" : null,
    "getDbNameListEnumDocumentation" : null,
    "getDbNameListEnumName" : null,
    "getDbNameListValue" : null,
    "getDbNameListValueDocumentation" : null,
    "getDbNameListValueEnumDocumentation" : null,
    "getDbNameListValueEnumName" : null,
    "getDbNameListValueList" : null,
    "getDbNameListValueListDocumentation" : null,
    "getDbNameListValueListEnumDocumentation" : null,
    "getDbNameListValueListEnumName" : null,
    "getDbNameListValueListValue" : null,
    "getDbNameListValueListValueDocumentation" : null,
    "getDbNameListValueListValueEnumDocumentation" : null,
    "getDbNameListValueListValueEnumName" : null,
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the <code>DomainName</code>.</p>
@param domainName Specifies the <code>DomainName</code>.",
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "<p> Specifies the <code>DomainName</code>.</p>"
"simpleType": "String",
"variableSetterType": "String"
],
"xmlNameSpaceUri": null
}
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "DomainInfo",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "DomainInfo",
"variableName": "domainInfo",
"variableType": "DomainInfo",
"documentation": null,
"simpleType": "DomainInfo",
"variableSetterType": "DomainInfo"
},
"wrapper": false
],
"EBSOptions": {
"c2jName": "EBSOptions",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "Options to enable, disable, and specify the properties of EBS storage volumes. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank"> Configuring EBS-based Storage</a>.",
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getEbsEnabled",
  "beanStyleSetterMethodName" : "setEbsEnabled",
  "c2jName" : "EBSEnabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is
enabled.</p>
This is a convenience that creates an instance of the
{@link Boolean.Builder} avoiding the need to create one manually via
{@link Boolean.Builder#builder()}. When the
{@link Consumer} completes, a consumer that will call methods on
{@link Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.

@see #ebsEnabled(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "ebsEnabled",
  "fluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
Specifies whether EBS-based storage is enabled.
@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName" : "ebsEnabled",
  "getterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
@return Specifies whether EBS-based storage is enabled.
",
  "getterModel" : { 
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EBSEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EBSEnabled",
    "uri" : false
  }
]
Specifies whether EBS-based storage is enabled.

@method: setEbsEnabled

**Simple**

```
enum {true, false}
```

**SimpleType**

```
Boolean
```

**Variable**

```
Boolean
```

**VariableDeclarationType**

```
Boolean
```

**VariableName**

```
ebsEnabled
```

**VariableType**

```
Boolean
```

**Default Consumer Fluent Setter Documentation**

```
Specifies the volume type for EBS-based storage.

@method: setVolumeType

@see: #volumeType
```

**Deprecated**

false

**IdempotencyToken**

false

**IsBinary**

false

**JsonValue**

false

**List**

false

**ListModel**

null

**Map**

false

**MapModel**

null

**MarshallingType**

"BOOLEAN"

**Name**

"EBSEnabled"

**Sensitive**

false

**Setter Documentation**

"Specifies whether EBS-based storage is enabled."

@method: setEbsEnabled

**Setter Method Name**

"setEbsEnabled"

**Setter Model**

```
{
    variableDeclarationType: "Boolean",
    variableName: "ebsEnabled",
    variableType: "Boolean",
    documentation: "Specifies whether EBS-based storage is enabled."
}
```

**Simple**

true

**TimestampFormat**

null

**Variable**

```
Boolean
```

**VariableDeclarationType**

"Boolean"

**VariableName**

"ebsEnabled"

**VariableType**

"Boolean"

**Documentation**

"Specifies whether EBS-based storage is enabled."

**SimpleType**

"Boolean"

**VariableSetterType**

"Boolean"

**XmlNameSpaceUri**

null

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #volumeTypeAs(String) volumeTypeAs(String)}.

```
@method: setVolumeType

@see: #volumeType
```

**Deprecation**

false

**Documentation**

"Specifies the volume type for EBS-based storage."

@end method

**End Point DiscoveryId**

false

**Open Source Used In MSX SD-WAN Service Pack 3.9.0 1294**
"enumType" : "VolumeType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "volumeType",
"fluentEnumSetterMethodName" : "volumeType",
"fluentGetterMethodName" : "volumeTypeAsString",
"fluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage. </p>
@param volumeType Specifies the volume type for EBS-based storage.
@see VolumeType
@return Specifies the volume type for EBS-based storage.
@see VolumeType",
"fluentSetterMethodName" : "volumeType",
"getterDocumentation" : "<p> Specifies the volume type for EBS-based storage. </p>
If the service returns an enum value that is not available in the current SDK version, [@link #volumeType] will return [@link VolumeType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #volumeTypeAsString].

@return Specifies the volume type for EBS-based storage.
@see VolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VolumeType",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the volume type for EBS-based storage. </p>
@param volumeType Specifies the volume type for EBS-based storage.
@see VolumeType",
"setterMethodName" : "setVolumeType",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "volumeType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getVolumeSize",
  "beanStyleSetterMethodName" : "setVolumeSize",
  "c2jName" : "VolumeSize",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually
via { @link Integer#builder(). When the { @link Consumer} completes, { @link Integer.Builder#build()} is
called immediately and its result is passed to { @link #volumeSize(Integer)}. Returns a consumer that
will call methods on { @link Integer.Builder}. Returns a reference to this object so that method calls can be
chained together.

@see #volumeSize(Integer)",
  "deprecated" : false,
  "documentation" : "<p> Integer to specify the size of an EBS volume.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "volumeSize",
  "fluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
Integer to specify the size of an EBS volume.

@see #volumeSize

@return Returns a reference to this object so that method calls can be
chained together.
",
  "fluentSetterMethodName" : "volumeSize",
  "getterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>

@see #volumeSize

@return Integer to specify the size of an EBS volume.
",
  "getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
  
}
"http": {  
"additionalMarshallingPath": null,  
"additionalUnmarshallingPath": null,  
"flattened": false,  
"greedy": false,  
"header": false,  
"isPayload": false,  
"isStreaming": false,  
"location": null,  
"marshallLocation": "PAYLOAD",  
"marshallLocationName": "VolumeSize",  
"queryString": false,  
"statusCode": false,  
"unmarshallLocationName": "VolumeSize",  
"uri": false  
},  
"idempotencyToken": false,  
"isBinary": false,  
"jsonData": false,  
"list": false,  
"listModel": null,  
"map": false,  
"mapModel": null,  
"marshallingType": "INTEGER",  
"name": "VolumeSize",  
"sensitive": false,  
"setterDocumentation": "<p> Integer to specify the size of an EBS volume.</p>@param volumeSize Integer to specify the size of an EBS volume."
setterMethodName": "setVolumeSize", 
"setterModel": {  
"variableDeclarationType": "Integer",  
"variableName": "volumeSize",  
"variableType": "Integer",  
"documentation": null,  
"simpleType": "Integer",  
"variableSetterType": "Integer"  
},  
"simple": true,  
"timestampFormat": null,  
"variable": {  
"variableDeclarationType": "Integer",  
"variableName": "volumeSize",  
"variableType": "Integer",  
"documentation": "<p> Integer to specify the size of an EBS volume.</p>"",  
"simpleType": "Integer",  
"variableSetterType": "Integer"  
},  
"xmlNameSpaceUri": null

This is a convenience that creates an instance of the `Integer.Builder` avoiding the need to create one manually via `Integer.Builder#build()`. When the `Consumer` completes, `Integer.Builder#build()` is called immediately and its result is passed to `#iops(Integer)`. A consumer that will call methods on `Integer.Builder` returns a reference to this object so that method calls can be chained together.

```
@<param iops> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@return Returns a reference to this object so that method calls can be chained together.
```

```
@<getter iops> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@getter iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@return Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
```

```
@<getterModel iops> Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
@getterModel iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
```

```
@<http> Additional Marshalling Path: false,
@http Additional Unmarshalling Path: false,
```
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Iops",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@param
iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "EBSEnabled" : {
    "beanStyleGetterMethodName" : "getEbsEnabled",
    "beanStyleSetterMethodName" : "setEbsEnabled",
    "c2jName" : "EBSEnabled",
    "c2jShape" : "Boolean",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>

This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to
create one manually via {@link Boolean.Builder#build()}. When the {@link Consumer} completes, {
@link Boolean.Builder#build()} is called immediately and its result is passed to {
@link
#ebsEnabled(Boolean)}. Returns a reference to this object so that method calls can be chained together.

@see #ebsEnabled(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterMethodName" : "ebsEnabled",
"getterDocumentation" : "Specifies whether EBS-based storage is enabled.
@return Specifies whether EBS-based storage is enabled.
@return Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSEnabled",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "EBSEnabled",
"sensitive" : false,
"setterDocumentation" : "Specifies whether EBS-based storage is enabled.
@param ebsEnabled Specifies whether EBS-based storage is enabled.
@return Specifies whether EBS-based storage is enabled.",
"setterMethodName" : "setEbsEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsEnabled",
  "variableType" : "Boolean"}
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"Iops" : {
  "beanStyleGetterMethodName" : "getIops",
  "beanStyleSetterMethodName" : "setIops",
  "c2jName" : "Iops",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
  This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via{@link Integer#builder()}. When the{@link Integer.Builder#build()} is called immediately and its result is passed to{@link #iops(Integer)}.<p>@param iops a consumer that will call methods on{@link Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.</p>@see #iops(Integer)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "iops",
  "fluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
  <p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
  <p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
  
  @param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).
  @return Returns a reference to this object so that method calls can be chained together.".,
  "fluentSetterMethodName" : "iops",
  "getterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
  <p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
  
  @return Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).".,
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "iops",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "iops",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@param iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"VolumeSize" : {
"beanStyleGetterMethodName": "getVolumeSize",
"beanStyleSetterMethodName": "setVolumeSize",
"c2jName": "VolumeSize",
"c2jShape": "IntegerClass",
"defaultConsumerFluentSetterDocumentation": "<p> Integer to specify the size of an EBS volume.</p>

This is a convenience that creates an instance of the {link Integer.Builder} avoiding the need to create one manually via {link Integer.Builder#builder()}. When the {link Consumer} completes, {link Integer.Builder#build()} is called immediately and its result is passed to {link volumeSize(Integer)}.

@see #volumeSize(Integer)

"deprecated": false,
"documentation": "<p> Integer to specify the size of an EBS volume.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "volumeSize",
"fluentSetterMethodName": "volumeSize",
"getterDocumentation": "<p> Integer to specify the size of an EBS volume.</p>

@see #volumeSize(Integer)

:return Integer to specify the size of an EBS volume.

@see #volumeSize(Integer)

"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "VolumeSize",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VolumeSize",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"setterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
@param volumeSize Integer to specify the size of an EBS volume.",
"setterMethodName" : "setVolumeSize",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "volumeSize",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "volumeSize",
    "variableType" : "Integer",
    "documentation" : "<p> Integer to specify the size of an EBS volume.</p>
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
"xmlNameSpaceUri" : null,
"VolumeType" : {
    "beanStyleGetterMethodName" : "getVolumeTypeAsString",
    "beanStyleSetterMethodName" : "setVolumeType",
    "c2jName" : "VolumeType",
    "c2jShape" : "VolumeType",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
    "@param volumeType a consumer that will call methods on <link String.Builder> avoiding the need to
    create one manually via <link String#builder()>. When the <link Consumer> completes, <link String.Builder#build()>
    is called immediately and its result is passed to <link #volumeTypeAsString(String)>. Returns a reference to
    this object so that method calls can be chained together.<p>
    "deprecated" : false,
    "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : "VolumeType",
    "eventHeader" : false,
    "eventPayload" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "INTEGER",
    "name" : "VolumeSize",
    "sensitive" : false,
    "setterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
    "setterMethodName" : "setVolumeSize",
    "setterModel" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "volumeSize",
        "variableType" : "Integer",
        "documentation" : null,
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "Integer",
        "variableName" : "volumeSize",
        "variableType" : "Integer",
        "documentation" : "<p> Integer to specify the size of an EBS volume.</p>
        "simpleType" : "Integer",
        "variableSetterType" : "Integer"
    },
    "xmlNameSpaceUri" : null
}
"fluentEnumGetterMethodName" : "volumeType",
"fluentEnumSetterMethodName" : "volumeType",
"fluentGetterMethodName" : "volumeTypeAsString",
"fluentSetterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
@param volumeType Specifies the volume type for EBS-based storage.
@see VolumeType
@return Returns a reference to this object so that method calls can be chained together.
@see VolumeType",
"fluentSetterMethodName" : "volumeType",
"getterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
<p>If the service returns an enum value that is not available in the current SDK version, \@link VolumeType\@UNKNOWN_TO_SDK_VERSION\}. The raw value returned by the service is available from \@link VolumeType\#AsString\}.\n</p>
@return Specifies the volume type for EBS-based storage.
@see VolumeType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VolumeType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VolumeType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VolumeType",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
@param volumeType Specifies the volume type for EBS-based storage.
@see VolumeType",
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String"
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "volumeType",
 "variableType" : "String",
 "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},

"nonStreamingMembers" : [ {
 "beanStyleGetterMethodName" : "getEbsEnabled",
 "beanStyleSetterMethodName" : "setEbsEnabled",
 "c2jName" : "EBSEnabled",
 "c2jShape" : "Boolean",
 "defaultConsumerFluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is
enabled.</p>
When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link #ebsEnabled(Boolean) }.

@see #ebsEnabled(Boolean)"
},
"deprecated" : false,
"documentation" : "<p>Specifies whether EBS-based storage is enabled.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsEnabled",
"fluentSetterDocumentation" : "<p>Specifies whether EBS-based storage is enabled.</p>
@returns a reference to this object so that method calls can be chained together.
@see #ebsEnabled(Boolean)"
},
"returnType" : "Boolean",
"documentation" : null
},

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"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSEnabled",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "EBSEnabled",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "ebsEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null

Specifies whether EBS-based storage is enabled.

Specifies whether EBS-based storage is enabled.
"beanStyleGetterMethodName" : "getVolumeTypeAsString",
"beanStyleSetterMethodName" : "setVolumeType",
"c2jName" : "VolumeType",
"c2jShape" : "VolumeType",
"defaultConsumerFluentSetterDocumentation" : ": Specifies the volume type for EBS-based storage.
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String.Builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #volumeTypeAsString(String)].

@param volumeType a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.\n@see #volumeType(String)",
"deprecated" : false,
"documentation" : ": Specifies the volume type for EBS-based storage.
If the service returns an enum value that is not available in the current SDK version, [ @link #volumeType] will return [ @link VolumeType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [ @link #volumeTypeAsString].\n\n@return Specifies the volume type for EBS-based storage.\n@see VolumeType",
"fluentSetterMethodName" : "volumeType",
"getterDocumentation" : ": Specifies the volume type for EBS-based storage.
If the service returns an enum value that is not available in the current SDK version, [ @link #volumeType] will return [ @link VolumeType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [ @link #volumeTypeAsString].\n\n@return Specifies the volume type for EBS-based storage.\n@see VolumeType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VolumeType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VolumeType",
"uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VolumeType",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the volume type for EBS-based storage.</p>
@param volumeType
Specifies the volume type for EBS-based storage.
@see VolumeType",
"setterMethodName" : "setVolumeType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "volumeType",
  "variableType" : "String",
  "documentation" : "<p> Specifies the volume type for EBS-based storage.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNamespaceUri" : null
},
"beanStyleGetterMethodName" : "getVolumeSize",
"beanStyleSetterMethodName" : "setVolumeSize",
"c2jName" : "VolumeSize",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p> Integer to specify the size of an EBS volume.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually
via {@link Integer.Builder#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is
called immediately and its result is passed to {@link volumeSize(Integer)}. A consumer that
will call methods on {@link Integer.Builder} on return Returns a reference to this object so that method calls can be
chained together.
@see volumeSize(Integer)",
"deprecated" : false,
"documentation" : "<p> Integer to specify the size of an EBS volume.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
Integer to specify the size of an EBS volume.

@return Returns a reference to this object so that method calls can be chained together.

 Integer to specify the size of an EBS volume.

@return Integer to specify the size of an EBS volume.

volumeSize

volumeSize

VolumeSize

VolumeSize

VolumeSize

VolumeSize

setVolumeSize

setVolumeSize

Integer

Integer

Integer

Integer

getVolumeSize

getVolumeSize

volumeSize

volumeSize
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
}
,"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "volumeSize",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getIops",
"beanStyleSetterMethodName" : "setIops",
"c2jName" : "iops",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to
create one manually via {@link Integer#builder()}.
When the {@link Consumer} completes, {@link
Integer.Builder#build()} is called immediately and its result is passed to {@link
#iops(Integer)}. Returns a reference to this object so that
method calls can be chained together.

Getters and Setters:

- **getIops()**
  - Method that returns the IOPD for a Provisioned IOPS EBS volume (SSD).
- **setIops(Integer iops)**
  - Method that sets the IOPD for a Provisioned IOPS EBS volume (SSD). Returns a reference to this object so that
method calls can be chained together.

Returned Types:

- Integer

Additional Metadata:

- NameSpace: null
- TimestampFormat: null

Related Interfaces:

- Integer

Related Classes:

- Integer.Builder
- Integer

Example Usage:

```java
ijops(Integer iops)
```
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Iops",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Iops",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Iops",
"setterDocumentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>
@param
iops Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).",
"setterMethodName" : "setIops",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "iops",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the IOPD for a Provisioned IOPS EBS volume (SSD).</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsSpaceUri" : null
} ];
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EBSOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"wrapper" : false
},
"EBSOptionsStatus" : {
  "c2jName" : "EBSOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "\p Status of the EBS options for the specified Elasticsearch domain.\p",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "EBSOptions",
    "defaultConsumerFluentSetterDocumentation" : "\p Specifies the EBS options for the specified Elasticsearch domain.\p\nThis is a convenience that creates an instance of the \link EBSOptions.Builder\ avoiding the need to create one manually via \link EBSOptions#builder\n.\nWhen the \link Consumer\ completes, \link\n"}]}
EBSOptions.Builder#build() is called immediately and its result is passed to { @link 
#options(EBSOptions)})\n@unwrap Returns a reference to this object so that method calls can be chained 
together.\n@see #options(EBSOptions)

"deprecated" : false,
"documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch 
domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@return Specifies the EBS options for the specified Elasticsearch domain.

"getterModel" : {
 "returnType" : "EBSOptions",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Options",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Options",
 "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation": "Specifies the EBS options for the specified Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "options",
  "variableType": "EBSOptions",
  "documentation": null,
  "simpleType": "EBSOptions",
  "variableSetterType": "EBSOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EBSOptions",
  "variableName": "options",
  "variableType": "EBSOptions",
  "documentation": "Specifies the EBS options for the specified Elasticsearch domain.",
  "simpleType": "EBSOptions",
  "variableSetterType": "EBSOptions"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "Specifies the status of the EBS options for the specified Elasticsearch domain. This is a convenience that creates an instance of the OptionalStatus.Builder
  avoiding the need to create one manually via { @link OptionStatus.Builder#builder() }. When the
  { @link Consumer } completes, { @link OptionStatus.Builder#build() } is called immediately and its result is passed to
  { @link #status(OptionStatus) }.
  @param status a consumer that will call methods on { @link OptionStatus.Builder }\n  @return Returns a reference to this object so that method calls can be chained together.
  @see #status(OptionStatus)",
"deprecated": false,
"documentation": "Specifies the status of the EBS options for the specified Elasticsearch domain.",
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "Specifies the status of the EBS options for the specified Elasticsearch domain.\n  @param status Specifies the status of the EBS options for the specified Elasticsearch domain.\n  @return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "status"
"getterDocumentation": "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>

@return Specifies the status of the EBS options for the specified Elasticsearch domain."

"getterModel": {
"returnType": "OptionStatus",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"simple": false,
"setterDocumentation": "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>

@param status Specifies the status of the EBS options for the specified Elasticsearch domain."

"setterMethodName": "setStatus",
"setterModel": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": null,
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"
},

"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "OptionStatus",
"variableName": "status",
"variableType": "OptionStatus",
"documentation": null,
"simpleType": "OptionStatus",
"variableSetterType": "OptionStatus"}
"variableType" : "OptionStatus",
"documentation" : "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}. When the { @link Consumer} completes, { @link EBSOptions.Builder#build()} is called immediately and its result is passed to { @link #options(EBSOptions)}.
@param options a consumer that will call methods on { @link EBSOptions.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #options(EBSOptions)
"deprecated" : false,
"documentation" : "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p>Specifies the EBS options for the specified Elasticsearch domain.</p>
@return Specifies the EBS options for the specified Elasticsearch domain.
"getterModel" : {
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
@param options Specifies the EBS options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "options",
  "variableType" : "EBSOptions",
  "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}.\nWhen the {@link Consumer}
completes, `OptionStatus.Builder#build()` is called immediately and its result is passed to `OptionStatus.Builder#status`.

@link OptionStatus.Builder#status

@link OptionStatus.Builder#build()

`OptionStatus.Builder#status` is a consumer that will call methods on `OptionStatus.Builder`.

@link OptionStatus.Builder#status

@see OptionStatus.Builder#status

@link OptionStatus.Builder#build()

@link OptionStatus.Builder#status

@see OptionStatus.Builder#status

@link OptionStatus.Builder#status

@see OptionStatus.Builder#status

@link OptionStatus.Builder#status

@see OptionStatus.Builder#status

@link OptionStatus.Builder#status

@see OptionStatus.Builder#status

@link OptionStatus.Builder#status
"setterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain."
,"setterMethodName" : "setStatus",
"setterModel" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : null,
   "simpleType" : "OptionStatus",
   "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "OptionStatus",
   "variableName" : "status",
   "variableType" : "OptionStatus",
   "documentation" : "Specifies the status of the EBS options for the specified Elasticsearch domain.
   This is a convenience that creates an instance of the EBSOptions.Builder avoiding the need to create one manually. When the Consumer completes, the result is passed to EBSOptions.Builder.build() is called immediately and its result is passed to EBSOptions.Builder.build() a consumer that will call methods on EBSOptions.Builder Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #options(EBSOptions)",
   "deprecated" : false,
   "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.\n   \n   When the Consumer completes, the result is passed to EBSOptions.Builder.build() is called immediately and its result is passed to EBSOptions.Builder.build().\n   \n   Returns a reference to this object so that method calls can be chained together.\n   \n   @see #options(EBSOptions)"},
"xmlNameSpaceUri" : null,
"nonStreamingMembers" : [
   "beanStyleGetterMethodName" : "getOptions",
   "beanStyleSetterMethodName" : "setOptions",
   "c2jName" : "Options",
   "c2jShape" : "EBSOptions",
   "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.\n   \n   This is a convenience that creates an instance of the EBSOptions.Builder avoiding the need to create one manually. When the Consumer completes, the result is passed to EBSOptions.Builder.build() is called immediately and its result is passed to EBSOptions.Builder.build().\n   \n   Returns a reference to this object so that method calls can be chained together.\n   \n   @see #options(EBSOptions)"},
   "deprecated" : false,
   "documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.\n   \n   When the Consumer completes, the result is passed to EBSOptions.Builder.build() is called immediately and its result is passed to EBSOptions.Builder.build().\n   \n   Returns a reference to this object so that method calls can be chained together.\n   \n   @see #options(EBSOptions)"},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.\n   \n   When the Consumer completes, the result is passed to EBSOptions.Builder.build() is called immediately and its result is passed to EBSOptions.Builder.build().\n   \n   Returns a reference to this object so that method calls can be chained together.\n   \n   @see #options(EBSOptions)"}
a reference to this object so that method calls can be chained together.

    "fluentSetterMethodName" : "options",
    "getterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
    @return Specifies the EBS options for the specified Elasticsearch domain.

    "getterModel" : {
        "returnType" : "EBSOptions",
        "documentation" : null
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    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Options",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Options",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "SDK_POJO",
    "name" : "Options",
    "Sensitive" : false,
    "setterDocumentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>
    @param options Specifies the EBS options for the specified Elasticsearch domain.

    "setterMethodName" : "setOptions",
    "setterModel" : {
        "variableDeclarationType" : "EBSOptions",
        "variableName" : "options",
        "variableType" : "EBSOptions",
        "documentation" : null,
        "simpleType" : "EBSOptions",
        "variableSetterType" : "EBSOptions"
    },
    "simple" : false,
    "timestampFormat" : null,
    "variable" : {

"variableDeclarationType" : "EBSOptions",
"variableName" : "options",
"variableType" : "EBSOptions",
"documentation" : "<p> Specifies the EBS options for the specified Elasticsearch domain.</p>",
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link #status(OptionStatus)}.

@link OptionStatus.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p> Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@return Specifies the status of the EBS options for the specified Elasticsearch domain.",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"simple" : false,
"setterDocumentation" : "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the EBS options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
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"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of the EBS options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
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"xmlNamespaceUri" : null
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"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "EBSOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}


"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptionsStatus",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
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"wrapper" : false
},
"ESPartitionInstanceType" : {
  "c2jName" : "ESPartitionInstanceType",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
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  "deprecated" : false,
  "documentation" : "",
  "endpointDiscovery" : null,
  "enums" : [ {
    "name" : "M3_MEDIUM_ELASTICSEARCH",
    "value" : "m3.medium.elasticsearch"
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    "name" : "M3_LARGE_ELASTICSEARCH",
    "value" : "m3.large.elasticsearch"
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    "name" : "M3_XLARGE_ELASTICSEARCH",
    "value" : "m3.xlarge.elasticsearch"
  }, {
    "name" : "M3_2_XLARGE_ELASTICSEARCH",
    "value" : "m3.2xlarge.elasticsearch"
  }, {
    "name" : "M3_4_XLARGE_ELASTICSEARCH",
    "value" : "m3.4xlarge.elasticsearch"
  }, {
    "name" : "M4_LARGE_ELASTICSEARCH",
    "value" : "m4.large.elasticsearch"
  }, {
    "name" : "M4_XLARGE_ELASTICSEARCH",
    "value" : "m4.xlarge.elasticsearch"
  }, {
    "name" : "M4_2_XLARGE_ELASTICSEARCH",
    "value" : "m4.2xlarge.elasticsearch"
  }, {
    "name" : "M4_4_XLARGE_ELASTICSEARCH",
    "value" : "m4.4xlarge.elasticsearch"
  }],
  "enumsType" : "ESPartitionInstanceType"
}


"name": "M4_10_XLARGE_ELASTICSEARCH",
"value": "m4.10xlarge.elasticsearch"
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"name": "T2_MICRO_ELASTICSEARCH",
"value": "t2.micro.elasticsearch"
},
"name": "T2_SMALL_ELASTICSEARCH",
"value": "t2.small.elasticsearch"
},
"name": "T2_MEDIUM_ELASTICSEARCH",
"value": "t2.medium.elasticsearch"
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"name": "R3_LARGE_ELASTICSEARCH",
"value": "r3.large.elasticsearch"
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"name": "R3_XLARGE_ELASTICSEARCH",
"value": "r3.xlarge.elasticsearch"
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"name": "R3_2_XLARGE_ELASTICSEARCH",
"value": "r3.2xlarge.elasticsearch"
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"name": "R3_4_XLARGE_ELASTICSEARCH",
"value": "r3.4xlarge.elasticsearch"
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"name": "R3_8_XLARGE_ELASTICSEARCH",
"value": "r3.8xlarge.elasticsearch"
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"name": "I2_XLARGE_ELASTICSEARCH",
"value": "i2.xlarge.elasticsearch"
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"value": "i2.2xlarge.elasticsearch"
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"value": "d2.xlarge.elasticsearch"
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"name": "D2_2_XLARGE_ELASTICSEARCH",
"value": "d2.2xlarge.elasticsearch"
},
"name": "D2_4_XLARGE_ELASTICSEARCH",
"value": "d2.4xlarge.elasticsearch"
},
"name": "D2_8_XLARGE_ELASTICSEARCH",
"value": "d2.8xlarge.elasticsearch"
},
"name": "C4_LARGE_ELASTICSEARCH",
"value": "c4.large.elasticsearch"
}
"name": "C4_XLARGE_ELASTICSEARCH",
"value": "c4.xlarge.elasticsearch"
},

"name": "C4_2_XLARGE_ELASTICSEARCH",
"value": "c4.2xlarge.elasticsearch"
},

"name": "C4_4_XLARGE_ELASTICSEARCH",
"value": "c4.4xlarge.elasticsearch"
},

"name": "C4_8_XLARGE_ELASTICSEARCH",
"value": "c4.8xlarge.elasticsearch"
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"name": "R4_LARGE_ELASTICSEARCH",
"value": "r4.large.elasticsearch"
},

"name": "R4_XLARGE_ELASTICSEARCH",
"value": "r4.xlarge.elasticsearch"
},

"name": "R4_2_XLARGE_ELASTICSEARCH",
"value": "r4.2xlarge.elasticsearch"
},

"name": "R4_4_XLARGE_ELASTICSEARCH",
"value": "r4.4xlarge.elasticsearch"
},

"name": "R4_8_XLARGE_ELASTICSEARCH",
"value": "r4.8xlarge.elasticsearch"
},

"name": "R4_16_XLARGE_ELASTICSEARCH",
"value": "r4.16xlarge.elasticsearch"
},

"name": "I3_LARGE_ELASTICSEARCH",
"value": "i3.large.elasticsearch"
},

"name": "I3_XLARGE_ELASTICSEARCH",
"value": "i3.xlarge.elasticsearch"
},

"name": "I3_2_XLARGE_ELASTICSEARCH",
"value": "i3.2xlarge.elasticsearch"
},

"name": "I3_4_XLARGE_ELASTICSEARCH",
"value": "i3.4xlarge.elasticsearch"
},

"name": "I3_8_XLARGE_ELASTICSEARCH",
"value": "i3.8xlarge.elasticsearch"
},

"name": "I3_16_XLARGE_ELASTICSEARCH",
"value": "i3.16xlarge.elasticsearch"
}].
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ESPartitionInstanceType",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ESPartitionInstanceType",
  "variableName" : "esPartitionInstanceType",
  "variableType" : "ESPartitionInstanceType",
  "documentation" : null,
  "simpleType" : "ESPartitionInstanceType",
  "variableSetterType" : "ESPartitionInstanceType"
},
"wrapper" : false,
"ElasticsearchClusterConfig" : {
  "c2jName" : "ElasticsearchClusterConfig",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies the configuration for the domain cluster, such as the type and number of instances.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getInstanceTypeAsString",
  "beanStyleSetterMethodName" : "setInstanceType",
  "c2jName" : "InstanceType",
  "c2jShape" : "ESPartitionInstanceType",
  "defaultConsumerFluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #instanceTypeAsString(String)}. @param instanceType a consumer that will call methods on { @link String.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #instanceType(String)",
  "deprecated" : false,
  "documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "instanceType",
  "fluentEnumSetterMethodName" : "instanceType",
  "fluentGetterMethodName" : "instanceTypeAsString",
  "fluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
The instance type for an Elasticsearch cluster. @param instanceType The instance type for an Elasticsearch cluster.@return Returns a reference to this object so that method calls can be chained together.@see ESPartitionInstanceType",
  "fluentSetterMethodName" : "instanceType",
  "getDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
If the service returns an enum value that is not available in the current SDK version, { @link #instanceType} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #instanceTypeAsString}. @return The instance type for an Elasticsearch cluster.@see ESPartitionInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster.\n\n@param instanceType The instance type for an Elasticsearch cluster.\n\n@see ESPartitionInstanceType</p>",
"setterMethodName" : "setInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "instanceType",
    "variableType" : "String",
    "documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
    "beanStyleGetterMethodName" : "getInstanceCount",
    "beanStyleSetterMethodName" : "setInstanceCount",
    "c2jName" : "InstanceCount",
    "c2jShape" : "IntegerClass",
    "defaultConsumerFluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.\n\nThis is a convenience that creates an instance of the \n{@link Integer.Builder} avoiding the need to
create one manually via `@link Integer#builder()`. When the `@link Consumer` completes, `@link Integer.Builder#build()` is called immediately and its result is passed to `@link #instanceCount(Integer)`. `@param instanceCount` a consumer that will call methods on `@link Integer.Builder` `@return` Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p>The number of instances in the specified domain cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@param instanceCount The number of instances in the specified domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@return The number of instances in the specified domain cluster.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>@param instanceCount The number of instances in the specified domain cluster."
,"setterMethodName" : "setInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : "<p>The number of instances in the specified domain cluster.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
"beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
"c2jName" : "DedicatedMasterEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes\" target="_blank\">About Dedicated Master Nodes</a> for more information.</p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {link Boolean.Consumer} completes, {link Boolean.Builder#build()} is called immediately and its result is passed to {link #dedicatedMasterEnabled(Boolean)}.

@see #dedicatedMasterEnabled(Boolean)",
"deprecated" : false,
"documentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes\" target="_blank\">About Dedicated Master Nodes</a> for more information.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "dedicatedMasterEnabled",
"fluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See<br>&lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/p&gt;&lt;p&gt;&lt;param name="dedicatedMasterEnabled"&gt;A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/param&gt;&lt;/p&gt;&lt;return&gt;Returns a reference to this object so that method calls can be chained together.&lt;/return&gt;,
"fluentSetterMethodName" : "dedicatedMasterEnabled",
"getterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/p&gt;&lt;p&gt;&lt;return&gt;A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.&lt;/param&gt;&lt;/p&gt;&lt;/getterModel&gt;,
"http" : {<br>"additional MarshallingPath" : null,<br>"additional UnmarshallingPath" : null,<br>"flattened" : false,<br>"greedy" : false,<br>"header" : false,<br>"isPayload" : false,<br>"isStreaming" : false,<br>"location" : null,<br>"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterEnabled",
"queryString" : false,<br>"statusCode" : false,<br>"unmarshallLocationName" : "DedicatedMasterEnabled",
"uri" : false<br>},<br>"idempotencyToken" : false,<br>"isBinary" : false,<br>"jsonValue" : false,<br>"list" : false,<br>"listModel" : null,<br>"map" : false,<br>"mapModel" : null,<br>"marshallingType" : "BOOLEAN",
"name" : "DedicatedMasterEnabled",
"sensitive" : false,
"setterDocumentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.\</p>\n@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.\",

"setterMethodName" : "setDedicatedMasterEnabled",

"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "dedicatedMasterEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.\</p>",

  "simpleType" : "Boolean",

  "variableSetterType" : "Boolean"
},

"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getZoneAwarenessEnabled",

"beanStyleSetterMethodName" : "setZoneAwarenessEnabled",

"c2jName" : "ZoneAwarenessEnabled",

"c2jShape" : "Boolean",

"defaultConsumerFluentSetterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\nThis is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}\n\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link ZoneAwarenessEnabled(Boolean)}\n\n@see #zoneAwarenessEnabled(Boolean)",

"deprecated" : false,

"documentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\n@see #zoneAwarenessEnabled(Boolean)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "zoneAwarenessEnabled",
"fluentSetterMethodName" : "zoneAwarenessEnabled",
@return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness\" target="_blank">About Zone Awareness</a> for more information.</p>@return A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness\" target="_blank">About Zone Awareness</a> for more information.
",
"getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ZoneAwarenessEnabled",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ZoneAwarenessEnabled",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"sensitive" : false,
"setterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>
@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",
"setterMethodName" : "setZoneAwarenessEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "zoneAwarenessEnabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "zoneAwarenessEnabled",
    "variableType" : "Boolean",
    "documentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>
"simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDedicatedMasterTypeAsString",
"beanStyleSetterMethodName" : "setDedicatedMasterType",
"c2jName" : "DedicatedMasterType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The instance type for a dedicated master node. </p><p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterTypeAsString(String)}. </p>
@param dedicatedMasterType A consumer that will call methods on {@link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
 see #dedicatedMasterType(String)",
"deprecated" : false,
"documentation" : "<p>The instance type for a dedicated master node. </p>
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dedicatedMasterType",
  "variableType" : "String",
  "documentation" : "<p>The instance type for a dedicated master node.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDedicatedMasterCount",
"beanStyleSetterMethodName" : "setDedicatedMasterCount",
"c2jName" : "DedicatedMasterCount",
"c2jShape" : "IntegerClass",
"defaultConsumerFluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterCount(Integer)}. @param dedicatedMasterCount a consumer that will call methods on {@link Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #dedicatedMasterCount(Integer)",
"deprecated" : false,
"documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
"enumType" : false,
"endpointDiscoveryId" : false,
" columnHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterCount",
"fluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "dedicatedMasterCount",
"getterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@returns Total number of dedicated master nodes, active and on standby, for the cluster.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterCount",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
"sensitive" : false,

"setterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.",

"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},

"xmlNameSpaceUri" : null
"membersAsMap" : {
  "DedicatedMasterCount" : {
    "beanStyleGetterMethodName" : "getDedicatedMasterCount",
    "beanStyleSetterMethodName" : "setDedicatedMasterCount",
    "c2jName" : "DedicatedMasterCount",
    "c2jShape" : "IntegerClass",
    "defaultConsumerFluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].
When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #dedicatedMasterCount(Integer)].
@return Returns a reference to this object so that method calls can be chained together.
@see #dedicatedMasterCount(Integer)",
    "deprecated" : false,
    "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "dedicatedMasterCount",
    "fluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "dedicatedMasterCount",
    "getterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>
@return Total number of dedicated master nodes, active and on standby, for the cluster.",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "DedicatedMasterCount",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "DedicatedMasterCount",
      "uri" : false
  }
},
"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.
  @param dedicatedMasterCount Total number of dedicated master nodes, active and on standby, for the cluster."
},
"xmlNameSpaceUri" : null
},
"DedicatedMasterEnabled" : {
  "beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
  "beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
  "c2jName" : "DedicatedMasterEnabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.
  When the [Boolean.Builder#build()](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) is called immediately and its result is passed to [DedicatedMasterEnabled(Boolean)].
  @param dedicatedMasterEnabled a consumer that will call methods on [Boolean.Builder](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) so that method calls can be chained
}
together.

@see #dedicatedMasterEnabled(Boolean)

"deprecated": false,

"documentation": "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information."

"endpointDiscoveryId": false,

"enumType": null,

"eventHeader": false,

"eventPayload": false,

"fluentEnumGetterMethodName": null,

"fluentEnumSetterMethodName": null,

"fluentGetterMethodName": "dedicatedMasterEnabled",

"fluentSetterDocumentation": "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName": "dedicatedMasterEnabled",

"getterDocumentation": "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

@return A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information."

"getterModel": {
   "returnType": "Boolean",
   "documentation": null
},

"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "DedicatedMasterEnabled",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "DedicatedMasterEnabled",
   "uri": false
A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.

```json
"setterMethodName": "setDedicatedMasterEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "dedicatedMasterEnabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "dedicatedMasterEnabled",
  "variableType": "Boolean",
  "documentation": "A boolean value to indicate whether a dedicated master node is enabled. See [About Dedicated Master Nodes](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes) for more information.",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
}
```

The instance type for a dedicated master
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder()`. When the `Consumer` completes, its result is passed to `#dedicatedMasterTypeAsString(String)`. A consumer that will call methods on `String.Builder` is called immediately and its result is passed to `#dedicatedMasterTypeAsString(String)`. Returns a reference to this object so that method calls can be chained together.

```java
@see #dedicatedMasterType(String)
```

```java
@deprecated
```

```java
@see ESPartitionInstanceType
```

```java
public String getDedicatedMasterTypeAsString()
```

```java
String getDedicatedMasterType()
```

```java
protected void setDedicatedMasterType(String value)
```

```java
protected void setDedicatedMasterTypeAsString(String value)
```

```
The instance type for a dedicated master node.
```

```
The instance type for a dedicated master node. Returns a reference to this object so that method calls can be chained together.
```

```
The instance type for a dedicated master node.
```

```
If the service returns an enum value that is not available in the current SDK version, `#dedicatedMasterType` will return `ESPartitionInstanceType.UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `#dedicatedMasterTypeAsString`.
```

```java
public ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```java
ESPartitionInstanceType setDedicatedMasterTypeAsString(String value)
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```java
ESPartitionInstanceType setDedicatedMasterType(String value)
```

```java
ESPartitionInstanceType setDedicatedMasterType(String value)
```

```
The instance type for a dedicated master node.
```

```
The raw value returned by the service is available from `#dedicatedMasterTypeAsString`.
```

```java
public ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```java
ESPartitionInstanceType setDedicatedMasterTypeAsString(String value)
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```
The raw value returned by the service is available from `#dedicatedMasterTypeAsString`.
```

```java
public ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```java
ESPartitionInstanceType setDedicatedMasterTypeAsString(String value)
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```
The raw value returned by the service is available from `#dedicatedMasterTypeAsString`.
```

```java
public ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType getDedicatedMasterType()
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```java
ESPartitionInstanceType setDedicatedMasterTypeAsString(String value)
```

```java
ESPartitionInstanceType setDedicatedMasterType(ESPartitionInstanceType value)
```

```
The raw value returned by the service is available from `#dedicatedMasterTypeAsString`.
```

```java
public ESPartitionInstanceType getDedicatedMasterType()
```
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DedicatedMasterType",
"sensitive": false,
"setterDocumentation": "<p>The instance type for a dedicated master node.</p>
@param

dedicatedMasterType The instance type for a dedicated master node.

@see ESPartitionInstanceType",
"setterMethodName": "setDedicatedMasterType",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "dedicatedMasterType",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "dedicatedMasterType",
  "variableType": "String",
  "documentation": "<p>The instance type for a dedicated master node.</p>

"xmlNameSpaceUri": null,
"InstanceCount": {
  "beanStyleGetterMethodName": "getInstanceCount",
  "beanStyleSetterMethodName": "setInstanceCount",
  "c2jName": "InstanceCount",
  "c2jShape": "IntegerClass",
  "defaultConsumerFluentSetterDocumentation": "<p>The number of instances in the specified domain cluster.</p>

This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Integer.Builder#build()} is called immediately and its result is passed to the constructor.

The number of instances in the specified domain cluster.

@see #instanceCount(Integer)

"deprecated": false,
"documentation": "The number of instances in the specified domain cluster.

"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.\n@param instanceCount The number of instances in the specified domain cluster.\n@return Returns a reference to this object so that method calls can be chained together.\n</p>"
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of instances in the specified domain cluster.\n\n@return The number of instances in the specified domain cluster.\n</p>
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "InstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.\n\n@param instanceCount The number of instances in the specified domain cluster.\n</p>"
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
@param instanceType The instance type for an Elasticsearch cluster.
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ZoneAwarenessEnabled" : {
"beanStyleGetterMethodName": "getZoneAwarenessEnabled",
"beanStyleSetterMethodName": "setZoneAwarenessEnabled",
"c2jName": "ZoneAwarenessEnabled",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\nThis is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}\n\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link ZoneAwarenessEnabled(Boolean)}.\n\n@see #zoneAwarenessEnabled(Boolean)",
"deprecated": false,
"documentation": "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "zoneAwarenessEnabled",
"fluentSetterDocumentation": "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\n@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #zoneAwarenessEnabled(Boolean)",
"fluentSetterMethodName": "zoneAwarenessEnabled",
"getterDocumentation": "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\n@return A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.\n\n@return A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",
"getterModel": {
"returnType": "Boolean",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ZoneAwarenessEnabled",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "ZoneAwarenessEnabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "ZoneAwarenessEnabled",
"sensitive" : false,
"setterDocumentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>\n@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",
"setterMethodName" : "setZoneAwarenessEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "zoneAwarenessEnabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "zoneAwarenessEnabled",
  "variableType" : "Boolean",
  "documentation" : "<p>A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.</p>\n\n@param zoneAwarenessEnabled A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getInstanceTypeAsString",
"beanStyleSetterMethodName" : "setInstanceType",
"c2jName" : "InstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #instanceTypeAsString(String)}. @param instanceType a consumer that will call methods on { @link String.Builder}.

@returns Returns a reference to this object so that method calls can be chained together.

@see #instanceTypeAsString(String)",
"deprecated" : false,
"documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "instanceType",
"fluentEnumSetterMethodName" : "instanceType",
"fluentGetterMethodName" : "instanceTypeAsString",
"fluentSetterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
@returns Returns a reference to this object so that method calls can be chained together.

@see ESPartitionInstanceType",
"fluentSetterMethodName" : "instanceType",
"getterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
If the service returns an enum value that is not available in the current SDK version, { @link #instanceType} will return { @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #instanceTypeAsString}. @returns The instance type for an Elasticsearch cluster.

@see ESPartitionInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "InstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The instance type for an Elasticsearch cluster.</p>
@param instanceType The instance type for an Elasticsearch cluster
@see ESPartitionInstanceType",
"setterMethodName" : "setInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "instanceType",
  "variableType" : "String",
  "documentation" : "<p>The instance type for an Elasticsearch cluster.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getInstanceCount",
"beanStyleSetterMethodName" : "setInstanceCount",
"c2jName" : "InstanceCount",
"c2jShape" : "IntegerClass",
"defaultValueConsumerFluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>

This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #instanceCount(Integer)}. For a consumer that will call methods on { @link Integer.Builder}, { @link #instanceCount(Integer)} a consumer that will call methods on { @link Integer.Builder} { @return} Returns a reference to this object so that method calls can be chained together.

@see #instanceCount(Integer)
"deprecated" : false,
"documentation" : "<p>The number of instances in the specified domain cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@param instanceCount The number of instances in the specified domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@return The number of instances in the specified domain cluster.
",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of instances in the specified domain cluster.</p>
@param instanceCount The number of instances in the specified domain cluster.
",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "instanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getDedicatedMasterEnabled",
"beanStyleSetterMethodName" : "setDedicatedMasterEnabled",
"c2jName" : "DedicatedMasterEnabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes\" target="_blank\""&gt;About Dedicated Master Nodes&lt;/a&gt; for more information.&lt;/p&gt;&lt;\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder()}.&lt;\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #dedicatedMasterEnabled(Boolean)}.&lt;\n@\nparam dedicatedMasterEnabled a consumer that will call methods on {@link Boolean.Builder} \n@\nreturn Returns a reference to this object so that method calls can be chained together.&lt;\n@\nsee #dedicatedMasterEnabled(Boolean)\",
"deprecated" : false,
"documentation" : "&lt;p&gt;A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes\" target="_blank\""&gt;About Dedicated Master Nodes&lt;/a&gt; for more information.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "dedicatedMasterEnabled",
"fluentSetterDocumentation" : "&lt;p&gt;A boolean value to indicate whether a dedicated master node is enabled. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes\" target="_blank\""&gt;About Dedicated Master Nodes&lt;/a&gt; for more information.&lt;/p&gt;\n@\nparam dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is

\@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "dedicatedMasterEnabled",
"getterDocumentation" : "\p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

\@return A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DedicatedMasterEnabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DedicatedMasterEnabled",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "DedicatedMasterEnabled",
"敏感" : false,
"setterDocumentation" : "\p>A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

\@param dedicatedMasterEnabled A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information."
Nodes for more information.

setterMethodName : "setDedicatedMasterEnabled",
setterModel : {
  variableDeclarationType : "Boolean",
  variableName : "dedicatedMasterEnabled",
  variableType : "Boolean",
  documentation : null,
  simpleType : "Boolean",
  variableSetterType : "Boolean"
},
simple : true,
timestampFormat : null,
variable : {
  variableDeclarationType : "Boolean",
  variableName : "dedicatedMasterEnabled",
  variableType : "Boolean",
  documentation : "A boolean value to indicate whether a dedicated master node is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-dedicatedmasternodes" target="_blank">About Dedicated Master Nodes</a> for more information.

setterMethodName : "setZoneAwarenessEnabled",
setterModel : {
  variableDeclarationType : "Boolean",
  variableName : "zoneAwarenessEnabled",
  variableType : "Boolean",
  documentation : "A boolean value to indicate whether zone awareness is enabled. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness" target="_blank">About Zone Awareness</a> for more information.

This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, the methods on the returned instance are immediately called.

endpointDiscoveryId : false,
enumType : null,
eventHeader : false,
eventPayload : false,
fluentEnumGetterMethodName : null,
fluentEnumSetterMethodName : null,
A boolean value to indicate whether zone awareness is enabled. See for more information.

@returns A boolean value to indicate whether zone awareness is enabled. See for more information.

getterModel: {
  returnType: "Boolean",
  documentation: null
},

http: {
  additionalMarshallingPath: null,
  additionalUnmarshallingPath: null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ZoneAwarenessEnabled",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ZoneAwarenessEnabled",
  "uri": false
},

idempotencyToken: false,

isBinary: false,

jsonValue: false,

list: false,

listModel: null,

map: false,

mapModel: null,

marshallingType: "BOOLEAN",

name: "ZoneAwarenessEnabled",

"setterDocumentation": "A boolean value to indicate whether zone awareness is enabled. See for more information."
A boolean value to indicate whether zone awareness is enabled. See http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness for more information.

```java
@Param

public Boolean zoneAwarenessEnabled;

```

setterMethodName" : "setZoneAwarenessEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "zoneAwarenessEnabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "zoneAwarenessEnabled",
    "variableType" : "Boolean",
    "documentation" : "A boolean value to indicate whether zone awareness is enabled. See http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-managedomains.html#es-managedomains-zoneawareness for more information.",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"dedicatedMasterTypeAsString" : {
    "beanStyleGetterMethodName" : "getDedicatedMasterTypeAsString",
    "beanStyleSetterMethodName" : "setDedicatedMasterType",
    "c2jName" : "DedicatedMasterType",
    "c2jShape" : "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation" : "The instance type for a dedicated master node. This is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String#builder()}.\n\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #dedicatedMasterTypeAsString(String)}.\n\n@deprecated This method returns a reference to this object so that method calls can be chained together.\n@see #dedicatedMasterType(String)",
    "deprecated" : false,
    "documentation" : "The instance type for a dedicated master node.\n\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #dedicatedMasterTypeAsString(String)}.
\n@see ESPartitionInstanceType",
    "endpointDiscoveryId" : false,
    "enumType" : "ESPartitionInstanceType",
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "dedicatedMasterType",
    "fluentEnumSetterMethodName" : "dedicatedMasterType",
    "fluentGetterMethodName" : "dedicatedMasterTypeAsString",
    "fluentSetterDocumentation" : "The instance type for a dedicated master node.\n\n@see ESPartitionInstanceType";
```
"fluentSetterMethodName" : "dedicatedMasterType",
"getterDocumentation" : "The instance type for a dedicated master node. If the service returns an enum value that is not available in the current SDK version, \{ @link \#dedicatedMasterType} will return \{ @link ESPartitionInstanceType\#UNKNOWN_TO_SDK_VERSION\}. The raw value returned by the service is available from \{ @link \#dedicatedMasterTypeAsString\}\}.\n\n@see ESPartitionInstanceType",

getterModel : {
"returnType" : "String",
"documentation" : null
},

http : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterType",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DedicatedMasterType",
"setterDocumentation" : "The instance type for a dedicated master node.\n\n@see ESPartitionInstanceType",

setterMethodId" : "setDedicatedMasterType",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "dedicatedMasterType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "dedicatedMasterType",
  "variableType" : "String",
  "documentation" : "<p>The instance type for a dedicated master node.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getDedicatedMasterCount",
  "beanStyleSetterMethodName" : "setDedicatedMasterCount",
  "c2jName" : "DedicatedMasterCount",
  "c2jShape" : "IntegerClass",
  "defaultConsumerFluentSetterDocumentation" : "\n<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>

This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}

When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #dedicatedMasterCount(Integer)].

@see #dedicatedMasterCount(Integer)",
  "deprecated" : false,
  "documentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "dedicatedMasterCount",
  "fluentSetterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>

@see #dedicatedMasterCount
  "fluentSetterMethodName" : "dedicatedMasterCount",
  "getterDocumentation" : "<p>Total number of dedicated master nodes, active and on standby, for the cluster.</p>

@see #dedicatedMasterCount
  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DedicatedMasterCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DedicatedMasterCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "DedicatedMasterCount",
"sensitive" : false,
"setterDocumentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.",
"setterMethodName" : "setDedicatedMasterCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "dedicatedMasterCount",
  "variableType" : "Integer",
  "documentation" : "Total number of dedicated master nodes, active and on standby, for the cluster.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
} ].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ElasticsearchClusterConfig",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"wrapper" : false
},
"ElasticsearchClusterConfigStatus" : {
  "c2jName" : "ElasticsearchClusterConfigStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Specifies the configuration status for the specified Elasticsearch domain.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : { [ 
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "ElasticsearchClusterConfig",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>
"This is a convenience that creates an instance of the { @link
ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link
ElasticsearchClusterConfig#builder()}. When the { @link Consumer} completes, { @link
ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link
#options(ElasticsearchClusterConfig)}.
@param options a consumer that will call methods on { @link

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ElasticsearchClusterConfig.Builder\n@returns a reference to this object so that method calls can be chained together.\n@see #options(ElasticsearchClusterConfig)\n\n"deprecated" : false,
"documentation" : "\n<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"fluentHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "\n<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n</p>\n
Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "\n<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n
</p>\n
Returns a reference to this object so that method calls can be chained together.\n",
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "\n<p> Specifies the cluster configuration for the specified Elasticsearch\n</p>\n
Returns a reference to this object so that method calls can be chained together.\n"}
domain.</p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain."

"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "Specifies the cluster configuration for the specified Elasticsearch domain.
</p>"
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "Specifies the status of the configuration for the specified Elasticsearch domain. This is a convenience that creates an instance of the OptionStatus.Builder avoiding the need to create one manually via OptionStatus.builder(). When the Consumer completes, OptionStatus.Builder#build() is called immediately and its result is passed to OptionStatus#status(OptionStatus). @return Returns a reference to this object so that method calls can be chained together. @see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "Specifies the status of the configuration for the specified Elasticsearch domain.
<br />
"eventType" : null,
"statusCode" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "Specifies the status of the configuration for the specified Elasticsearch domain.
<br />
"getterDocumentation" : "Specifies the status of the configuration for the specified Elasticsearch domain."
"getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
@<p> Specifies the status of the configuration for the specified Elasticsearch domain.

@param status Specifies the status of the configuration for the specified Elasticsearch domain.

"setterMethodName" : "setStatus",
"setterModel" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : null,
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain. </p>
"
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus",

"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>"

This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}. When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link #options(ElasticsearchClusterConfig)}.

@see #options(ElasticsearchClusterConfig)",

"deprecated" : false,
"documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>",

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
@return Specifies the cluster configuration for the specified Elasticsearch domain.",

"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",}
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n\n@param options Specifies the cluster configuration for the specified Elasticsearch domain.\n</p>",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.\n</p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.\n</p>\nThis is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}.\n\nWhen the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link
Specifies the status of the configuration for the specified Elasticsearch domain.

```java
@status(OptionStatus)
```

#status(OptionStatus)

##param status a consumer that will call methods on { @link OptionStatus.Builder }

@return Returns a reference to this object so that method calls can be chained
together.

##see #status(OptionStatus)

```java
@deprecated
```

##documentation

```
<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
```

```java
@endpointDiscoveryId
```

```java
@enumType : null,
```

```java
@eventHeader : false,
```

```java
@eventPayload : false,
```

```java
@fluentEnumGetterMethodName : null,
```

```java
@fluentEnumSetterMethodName : null,
```

```java
@fluentGetterMethodName : "status",
```

```java
@fluentSetterDocumentation : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
```

```java
@fluentSetterMethodName : "status",
```

```java
@getterDocumentation : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.
```

```java
@getterModel : {
    "returnType" : "OptionStatus",
    "documentation" : null
}
```

```java
@http : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
}
```

```java
@idempotencyToken : false,
```

```java
@isBinary : false,
```

```java
@jsonValue : false,
```

```java
@list : false,
```

```java
@listModel : null,
```

```java
@map : false,
```

```java
@mapModel : null,
```

```java
@marshallingType : "SDK_POJO",
```

```java
@name : "Status",
```

```java
@sensitive : false,
```

```java
@version : "3.9.0"
```

```java
@see #status(OptionStatus)
```

```java

```java
@return Returns a reference to this object so that method calls can be chained
together.
```

```java
@see #status(OptionStatus)
```

```java
@deprecated
```

```java
@documentation
```

```java
<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
```

```java
@param status Specifies the status of the configuration for the specified Elasticsearch
domain.
```

```java
@return Returns a reference to this object so that method calls can be chained
together.
```

```java
@see #status(OptionStatus)
```

```java

```java
@deprecated
```

```java
@documentation
```

```java
<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
```

```java
@param status Specifies the status of the configuration for the specified Elasticsearch
domain.
```

```java
@return Returns a reference to this object so that method calls can be chained
together.
```

```java
@see #status(OptionStatus)
```

```java

```java
@deprecated
```

```java
@documentation
```

```java
<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>
```

```java
@param status Specifies the status of the configuration for the specified Elasticsearch
domain.
```

```java
@return Returns a reference to this object so that method calls can be chained
together.
```

```java
@see #status(OptionStatus)
```
"setterDocumentation": "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>\n@param status Specifies the status of the configuration for the specified Elasticsearch domain.",
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "ElasticsearchClusterConfig",
    "defaultConsumerFluentSetterDocumentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain.
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}.\nWhen the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link #options(ElasticsearchClusterConfig)}.\n@returns a reference to this object so that method calls can be chained together.\n@see #options(ElasticsearchClusterConfig)"
  ,
  "deprecated": false,
  "documentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "options",
  "fluentSetterDocumentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>\n@returns Options a consumer that will call methods on { @link ElasticsearchClusterConfig.Builder}\n@returns a reference to this object so that method calls can be chained together.\n@see #options(ElasticsearchClusterConfig)",
  "deprecated": false,
  "documentation": "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>"}
Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
@return Specifies the cluster configuration for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
" sensitive" : false,
"setterDocumentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain. </p>
@param options Specifies the cluster configuration for the specified Elasticsearch domain."

"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "options",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

---

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"variableDeclarationType" : "ElasticsearchClusterConfig",
"variableName" : "options",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : "<p> Specifies the cluster configuration for the specified Elasticsearch domain.</p>",
"simpleType" : "ElasticsearchClusterConfig",
"variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultValueFluentSetterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.

This is a convenience that creates an instance of the { @link OptionStatus.Builder } avoiding the need to create one manually via { @link OptionStatus.Builder#build() }.

When the { @link Consumer } completes, { @link OptionStatus.Builder#build() } is called immediately and its result is passed to { @link #status(OptionStatus) }.

@see #status(OptionStatus)

@.param status a consumer that will call methods on { @link OptionStatus.Builder }.

@return Returns a reference to this object so that method calls can be chained together.

@deprecated
"documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.

@param status Specifies the status of the configuration for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)

@deprecated
"documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.

@return Specifies the status of the configuration for the specified Elasticsearch domain.

@getterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.

@return Specifies the status of the configuration for the specified Elasticsearch domain.

@getterModel" : {
 "returnType" : "OptionStatus",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"ListModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.<p>
@param status Specifies the status of the configuration for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the configuration for the specified Elasticsearch domain.<p>
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "ElasticsearchClusterConfigStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
}
variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfigStatus",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"wrapper" : false
},
"ElasticsearchDomainConfig" : {
  "c2jName" : "ElasticsearchDomainConfig",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>The configuration of an Elasticsearch domain.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    {
      "beanStyleGetterMethodName" : "getElasticsearchVersion",
      "beanStyleSetterMethodName" : "setElasticsearchVersion",
      "c2jName" : "ElasticsearchVersion",
      "c2jShape" : "ElasticsearchVersionStatus",
      "defaultConsumerFluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.
This is a convenience that creates an instance of the [ElasticsearchVersionStatus.Builder] avoiding the need to create one manually via [ElasticsearchVersionStatus#builder()]. When the [Consumer] completes, [ElasticsearchVersionStatus.Builder#build()] is called immediately and its result is passed to [ElasticsearchVersion] methods on [ElasticsearchVersionStatus.Builder]. Returns a reference to this object so that method calls can be chained together.
@see ElasticsearchVersion(ElasticsearchVersionStatus)"
    }]
},
"wrapper" : false
}
"documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
@return String of format X.Y to specify version for the Elasticsearch domain.",
"getterModel" : {
   "returnType" : "ElasticsearchVersionStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "ElasticsearchVersion",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ElasticsearchVersion",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.
@return String of format X.Y to specify version for the Elasticsearch domain."
,"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
}
"variableDeclarationType": "ElasticsearchVersionStatus",
"variableName": "elasticsearchVersion",
"variableType": "ElasticsearchVersionStatus",
"documentation": null,
"simpleType": "ElasticsearchVersionStatus",
"variableSetterType": "ElasticsearchVersionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ElasticsearchVersionStatus",
  "variableName": "elasticsearchVersion",
  "variableType": "ElasticsearchVersionStatus",
  "documentation": "String of format X.Y to specify version for the Elasticsearch domain.<p>
  "simpleType": "ElasticsearchVersionStatus",
  "variableSetterType": "ElasticsearchVersionStatus"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName": "setElasticsearchClusterConfig",
  "c2jName": "ElasticsearchClusterConfig",
  "c2jShape": "ElasticsearchClusterConfigStatus",
  "defaultConsumerFluentSetterDocumentation": "<p>Specified the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
  "This is a convenience that creates an instance of the {<link ElasticsearchClusterConfigStatus.Builder}> avoiding the need to create one manually via {<link ElasticsearchClusterConfigStatus#builder()}\n  When the {<link Consumer> completes, {<link ElasticsearchClusterConfigStatus.Builder#build()} is called immediately and its result is passed to {<link #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus.Builder)}\n  a consumer that will call methods on {<link ElasticsearchClusterConfigStatus.Builder>\n  a reference to this object so that method calls can be chained together.\n  "deprecated": false,
  "documentation": "Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "elasticsearchClusterConfig",
  "fluentSetterDocumentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n  "parameter ElasticsearchClusterConfigSpecifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n  "return Returns a reference to this object so that method calls can be chained together.\n  "getterDocumentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch
domain.</p>
@return Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.

"getterModel" : {
    "returnType" : "ElasticsearchClusterConfigStatus",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchClusterConfig",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchClusterConfig",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "ElasticsearchClusterConfig",

"setterDocumentation" : "\<p\>Specifies the \<code\>ElasticsearchClusterConfig\<\code\> for the Elasticsearch domain.\</p\>
\@param elasticsearchClusterConfig Specifies the \<code\>ElasticsearchClusterConfig\<\code\> for the Elasticsearch domain.\"",

"setterMethodName" : "setElasticsearchClusterConfig",

"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfigStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfigStatus",
    "variableSetterType" : "ElasticsearchClusterConfigStatus"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfigStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfigStatus",
    "variableSetterType" : "ElasticsearchClusterConfigStatus"
}
"variableType" : "ElasticsearchClusterConfigStatus",
"documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>",
"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. This is a convenience that creates an instance of the { @link EBSOptionsStatus.Builder } avoiding the need to create one manually via { @link EBSOptionsStatus#builder() }. When the { @link Consumer } completes, { @link EBSOptionsStatus.Builder#build() } is called immediately and its result is passed to { @link EBSOptionsStatus(EBSOptionsStatus) }. See #ebsOptions(EBSOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
",#return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. 
@return Returns a reference to this object so that method calls can be chained together.
",#getterModel" : [
"returnType" : "EBSOptionsStatus",
"documentation" : null
],

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : null,
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. This is a convenience that creates an instance of the { @link EBSOptionsStatus.Builder } avoiding the need to create one manually via { @link EBSOptionsStatus#builder() }. When the { @link Consumer } completes, { @link EBSOptionsStatus.Builder#build() } is called immediately and its result is passed to { @link EBSOptionsStatus(EBSOptionsStatus) }. See #ebsOptions(EBSOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
",#return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. 
@return Returns a reference to this object so that method calls can be chained together.
",#getterModel" : [
"returnType" : "EBSOptionsStatus",
"documentation" : null
],

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : null,
"marshallLocationName": "EBSOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EBSOptions",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EBSOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"setterMethodName": "setEbsOptions",
"setterModel": {
  "variableDeclarationType": "EBSOptionsStatus",
  "variableName": "ebsOptions",
  "variableType": "EBSOptionsStatus",
  "documentation": null,
  "simpleType": "EBSOptionsStatus",
  "variableSetterType": "EBSOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
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  "variableName": "ebsOptions",
  "variableType": "EBSOptionsStatus",
  "documentation": "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
  "simpleType": "EBSOptionsStatus",
  "variableSetterType": "EBSOptionsStatus"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getAccessPolicies",
"beanStyleSetterMethodName": "setAccessPolicies",
"c2jName": "AccessPolicies",
"c2jShape": "AccessPoliciesStatus",
"defaultConsumerFluentSetterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the { @link AccessPoliciesStatus.Builder} avoiding the need to create one manually via { @link AccessPoliciesStatus#builder}.
When the { @link Consumer} completes, { @link AccessPoliciesStatus.Builder#build} is called immediately and its result is passed to { @link #accessPolicies(AccessPoliciesStatus)}.

@link #accessPolicies(AccessPoliciesStatus)
@link Consumer

AccessPoliciesStatus.Builder\n@return Returns a reference to this object so that method calls can be chained
together.\n@see accessPolicies(AccessPoliciesStatus)\n    "deprecated" : false,
    "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "accessPolicies",
    "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@return Returns a reference to this object so that method calls can be chained
together.\n    "fluentSetterMethodName" : "accessPolicies",
    "getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
    @return IAM access policy as a JSON-formatted string.
    
    "getterModel" : {\n        "returnType" : "AccessPoliciesStatus",
        "documentation" : null
    },
    "http" : {\n        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "AccessPolicies",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "AccessPolicies",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "SDK_POJO",
    "name" : "AccessPolicies",
    "sensitive" : false,
    "setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@return IAM access policy as a JSON-formatted string.\n    "setterMethodName" : "accessPolicies",
    "setterModel" : {\n        "returnType" : "AccessPoliciesStatus",
        "documentation" : null
    },
IAM access policy as a JSON-formatted string.

setterMethodName : "setAccessPolicies",
setterModel : {
  "variableDeclarationType" : "AccessPoliciesStatus",
  "variableName" : "accessPolicies",
  "variableType" : "AccessPoliciesStatus",
  "documentation" : null,
  "simpleType" : "AccessPoliciesStatus",
  "variableSetterType" : "AccessPoliciesStatus"
},
"simple" : false,
timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AccessPoliciesStatus",
  "variableName" : "accessPolicies",
  "variableType" : "AccessPoliciesStatus",
  "documentation" : "IAM access policy as a JSON-formatted string.
  
  \<p\>IAM access policy as a JSON-formatted string.</p>\",
  "simpleType" : "AccessPoliciesStatus",
  "variableSetterType" : "AccessPoliciesStatus"
},
"xmlNameSpaceUri" : null
},
beanStyleGetterMethodName" : "getSnapshotOptions",
beanStyleSetterMethodName" : "setSnapshotOptions",
c2jName" : "SnapshotOptions",
c2jShape" : "SnapshotOptionsStatus",
defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link SnapshotOptionsStatus.Builder} avoiding the need to create one manually via {@link SnapshotOptionsStatus#builder}().

When the {@link Consumer} completes, {@link SnapshotOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link #snapshotOptions(SnapshotOptionsStatus)}.

@param snapshotOptions a consumer that will call methods on { @link SnapshotOptionsStatus.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #snapshotOptions(SnapshotOptionsStatus)",
deprecated" : false,
documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
fluentEnumGetterMethodName" : null,
fluentEnumSetterMethodName" : null,
fluentGetterMethodName" : "snapshotOptions",
fluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>

@see #snapshotOptions(SnapshotOptionsStatus)",
getterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch
Forming a description of the Elasticsearch domain.

```java
@doctypespecification Specifies the `<code>SnapshotOptions</code>` for the Elasticsearch domain.

**getterModel**:

- **returnType**: `SnapshotOptionsStatus`
- **documentation**: `null`

**http**:

- **additionalMarshallingPath**: `null`
- **additionalUnmarshallingPath**: `null`
- **flattened**: `false`
- **greedy**: `false`
- **header**: `false`
- **isPayload**: `false`
- **isStreaming**: `false`
- **location**: `null`
- **marshallLocation**: `PAYLOAD`
- **marshallLocationName**: `"SnapshotOptions"`
- **queryString**: `false`
- **statusCode**: `false`
- **unmarshallLocationName**: `"SnapshotOptions"`
- **uri**: `false`

**idempotencyToken**: `false`

**isBinary**: `false`

**jsonValue**: `false`

**list**: `false`

**listModel**: `null`

**map**: `false`

**mapModel**: `null`

**marshallingType**: `SDK_POJO`

**name**: `"SnapshotOptions"`

**sensitive**: `false`

**setterDocumentation**:

- **@param snapshotOptions** Specifies the `<code>SnapshotOptions</code>` for the Elasticsearch domain.

**setterMethodName**: `"setSnapshotOptions"`

**setterModel**:

- **variableDeclarationType**: `SnapshotOptionsStatus`
- **methodName**: `"snapshotOptions"`
- **variableType**: `SnapshotOptionsStatus`
- **documentation**: `null`
- **simpleType**: `SnapshotOptionsStatus`
- **variableSetterType**: `SnapshotOptionsStatus`

**simple**: `false`

**timestampFormat**: `null`

**variable**:

- **variableDeclarationType**: `SnapshotOptionsStatus`
- **variableName**: `"snapshotOptions"`

```
"variableType": "SnapshotOptionsStatus",
"documentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
"simpleType": "SnapshotOptionsStatus",
"variableSetterType": "SnapshotOptionsStatus"
},
"xmlnsSpaceUri": null
},
{
"beanStyleGetterMethodName": "getVpcOptions",
"beanStyleSetterMethodName": "setVpcOptions",
"c2jName": "VPCOptions",
"c2jShape": "VPCDerivedInfoStatus",
"defaultConsumerFluentSetterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. This is a convenience that creates an instance of the {@link VPCDerivedInfoStatus.Builder} avoiding the need to create one manually via {@link VPCDerivedInfoStatus.Builder#builder()}. When the {@link Consumer} completes, the builder is called immediately and its result is passed to the {@link #vpcOptions(VPCDerivedInfoStatus)} method that will call methods on the Consumer a consumer that will call methods on the builder. Returns a reference to this object so that method calls can be chained together.
</p>
@return Returns a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCDerivedInfoStatus)",
"deprecated": false,
"documentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. </p>
@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "vpcOptions",
"fluentSetterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. When the consumer completes, the builder is called immediately and its result is passed to the <code>vpcOptions(VPCDerivedInfoStatus)</code> method. Returns a reference to this object so that method calls can be chained together.
</p>
@return Returns a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCDerivedInfoStatus)",
"getterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. </p>
@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
@see #vpcOptions(VPCDerivedInfoStatus)
},
"getterModel": {
"returnType": "VPCDerivedInfoStatus",
"documentation": null
}
The VPCOptions for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html).
"documentation": "The <code>VPCOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.</a>.\n\nThis is a convenience that creates an instance of the <code>CognitoOptionsStatus.Builder</code> avoiding the need to create one manually via <code>CognitoOptionsStatus.Builder#builder()</code>. When the <code>CognitoOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>CognitoOptionsStatus</code>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #cognitoOptions(CognitoOptionsStatus)",
"deprecated": false,
"documentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.</a>.\n\nThis is a convenience that creates an instance of the <code>CognitoOptionsStatus.Builder</code> avoiding the need to create one manually via <code>CognitoOptionsStatus.Builder#builder()</code>. When the <code>CognitoOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>CognitoOptionsStatus</code>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #cognitoOptions(CognitoOptionsStatus)",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "cognitoOptions",
"fluentSetterDocumentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.</a>.\n\nThis is a convenience that creates an instance of the <code>CognitoOptionsStatus.Builder</code> avoiding the need to create one manually via <code>CognitoOptionsStatus.Builder#builder()</code>. When the <code>CognitoOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>CognitoOptionsStatus</code>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #cognitoOptions(CognitoOptionsStatus)",
"fluentSetterMethodName": "cognitoOptions",
"getterDocumentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see Amazon Cognito Authentication for Kibana.</a>.\n\nThis is a convenience that creates an instance of the <code>CognitoOptionsStatus.Builder</code> avoiding the need to create one manually via <code>CognitoOptionsStatus.Builder#builder()</code>. When the <code>CognitoOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>CognitoOptionsStatus</code>.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #cognitoOptions(CognitoOptionsStatus)",
"getterModel": {
"returnType": "CognitoOptionsStatus"
"documentation": null,
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "CognitoOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "CognitoOptions",
  "uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
"setterDocumentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName": "setCognitoOptions",
"setterModel": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": null,
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": null,
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
},
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "CognitoOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CognitoOptions",
"uri": false,
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"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
"setterDocumentation": "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName": "setCognitoOptions",
"setterModel": {
  "variableDeclarationType": "CognitoOptionsStatus",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": null,
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
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"timestampFormat": null,
"variable": {
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  "variableName": "cognitoOptions",
  "variableType": "CognitoOptionsStatus",
  "documentation": null,
  "simpleType": "CognitoOptionsStatus",
  "variableSetterType": "CognitoOptionsStatus"
},
"isPayload": false,
"variableType" : "CognitoOptionsStatus",
"documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. </p>",
"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link EncryptionAtRestOptionsStatus.Builder} avoiding the need to create one manually via { @link EncryptionAtRestOptionsStatus#builder()}. When the { @link Consumer } completes, { @link EncryptionAtRestOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)}.
@see EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. </p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. </p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain. 
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
,"getterModel" : {
"returnType" : "EncryptionAtRestOptionsStatus",
"documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
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  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptionsStatus",
  "variableSetterType" : "EncryptionAtRestOptionsStatus"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>

@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
},
" nodeNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptionsStatus"
This is a convenience that creates an instance of the \{@link NodeToNodeEncryptionOptionsStatus.Builder\} avoiding the need to create one manually via \{@link NodeToNodeEncryptionOptionsStatus#builder()\}. When the \{@link Consumer\} completes, \{@link NodeToNodeEncryptionOptionsStatus.Builder#build()\} is called immediately and its result is passed to \{@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)\}.

@see #nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt; for the Elasticsearch domain.&lt;/p&gt;
@param nodeToNodeEncryptionOptions Specifies the &lt;code&gt;NodeToNodeEncryptionOptions&lt;/code&gt; for the Elasticsearch domain.",&
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptionsStatus",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptionsStatus",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType" : "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies the &lt;code&gt;AdvancedOptions&lt;/code&gt; for the domain. See &lt;a href="\"http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options\" target="_blank\"&gt;Configuring Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;

This is a convenience that creates an instance of the { @link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via { @link AdvancedOptionsStatus#builder()}.

When the { @link Consumer} completes, { @link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link AdvancedOptions(AdvancedOptionsStatus)}.

@returns Returns a reference to this object so that method calls can be chained together.
@see AdvancedOptions(AdvancedOptionsStatus)"},
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "advancedOptions",
@return Specifies the <code>AdvancedOptions</code> for the domain. See a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.",
"getterModel" : {
  "returnType" : "AdvancedOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "AdvancedOptions",
"sensitive": false,

"setterDocumentation": "\p&gt;Specifies the <code>AdvancedOptions</code> for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank"&gt;Configuring Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;\n@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank"&gt;Configuring Advanced Options&lt;/a&gt; for more information.",

"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "AdvancedOptionsStatus",
  "variableName": "advancedOptions",
  "variableType": "AdvancedOptionsStatus",
  "documentation": null,
  "simpleType": "AdvancedOptionsStatus",
  "variableSetterType": "AdvancedOptionsStatus"
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"timestampFormat": null,
"variable": {
  "variableDeclarationType": "AdvancedOptionsStatus",
  "variableName": "advancedOptions",
  "variableType": "AdvancedOptionsStatus",
  "documentation": "\p&gt;Specifies the <code>AdvancedOptions</code> for the domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank"&gt;Configuring Advanced Options&lt;/a&gt; for more information.&lt;/p&gt;",
  "simpleType": "AdvancedOptionsStatus",
  "variableSetterType": "AdvancedOptionsStatus"
},

"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getLogPublishingOptions",
"beanStyleSetterMethodName": "setLogPublishingOptions",
"c2jName": "LogPublishingOptions",
"c2jShape": "LogPublishingOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "\p&gt;Log publishing options for the given domain.&lt;/p&gt;\nThis is a convenience that creates an instance of the { @link LogPublishingOptionsStatus.Builder} avoiding the need to create one manually via { @link LogPublishingOptionsStatus#builder}.
When the { @link Consumer} completes, { @link LogPublishingOptionsStatus.Builder#build()} is called immediately and its result is passed to
Log publishing options for the given domain.

@return Returns a reference to this object so that method calls can be chained together.

see `logPublishingOptions(LogPublishingOptionsStatus)`.

Log publishing options for the given domain.

@return Returns a reference to this object so that method calls can be chained together.

Log publishing options for the given domain.

Log publishing options for the given domain.

Log publishing options for the given domain.

Log publishing options for the given domain.

Log publishing options for the given domain.

Log publishing options for the given domain.
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain."
,"setterMethodName" : "setLogPublishingOptions",
"setterModel" : {
 "variableDeclarationType" : "LogPublishingOptionsStatus",
 "variableName" : "logPublishingOptions",
 "variableType" : "LogPublishingOptionsStatus",
 "documentation" : null,
 "simpleType" : "LogPublishingOptionsStatus",
 "variableSetterType" : "LogPublishingOptionsStatus"
 },
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "LogPublishingOptionsStatus",
 "variableName" : "logPublishingOptions",
 "variableType" : "LogPublishingOptionsStatus",
 "documentation" : "<p>Log publishing options for the given domain.</p>
"simpleType" : "LogPublishingOptionsStatus",
 "variableSetterType" : "LogPublishingOptionsStatus"
 },
"xmlNameSpaceUri" : null
 },
"membersAsMap" : {
 "AccessPolicies" : {
 "beanStyleGetterMethodName" : "getAccessPolicies",
 "beanStyleSetterMethodName" : "setAccessPolicies",
 "c2jName" : "AccessPolicies",
 "c2jShape" : "AccessPoliciesStatus",
 "defaultValueFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the {@link AccessPoliciesStatus.Builder} avoiding the need to create one manually via {@link AccessPoliciesStatus#builder()}. When the @link Consumer completes, {@link AccessPoliciesStatus.Builder#build()} is called immediately and its result is passed to @link AccessPolicies(AccessPoliciesStatus).\n@param accessPolicies a consumer that will call methods on @link AccessPoliciesStatus.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #accessPolicies(AccessPoliciesStatus)"
,"deprecated" : false,
 "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>
,"endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "accessPolicies",
 "fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string.\n@return Returns a reference to this object so that method calls can be chained together.".\n
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel" : {
   "returnType" : "AccessPoliciesStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "AccessPolicies",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "AccessPolicies",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
   "variableDeclarationType" : "AccessPoliciesStatus",
   "variableName" : "accessPolicies",
   "variableType" : "AccessPoliciesStatus",
   "documentation" : null,
   "simpleType" : "AccessPoliciesStatus",
   "variableSetterType" : "AccessPoliciesStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "AccessPoliciesStatus"}
"variableName" : "accessPolicies",
"variableType" : "AccessPoliciesStatus",
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "AccessPoliciesStatus",
"variableSetterType" : "AccessPoliciesStatus"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptionsStatus",

This is a convenience that creates an instance of the {@link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via {
@link AdvancedOptionsStatus#builder()}. When the {
@link Consumer} completes, {
@link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to {
@link AdvancedOptions(AdvancedOptionsStatus)}.{
@param advancedOptions a consumer that will call methods on {
@link AdvancedOptionsStatus.Builder} \n@returns Returns a reference to this object so that method calls can be chained together.\n@see AdvancedOptions(AdvancedOptionsStatus)\n},
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterMethodName" : "advancedOptions",
Configuring Advanced Options

```json
"getterModel": {
  "returnType": "AdvancedOptionsStatus",
  "documentation": null
},
"http": {
  "additionallyMarshallingPath": null,
  "additionallyUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AdvancedOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AdvancedOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "AdvancedOptions",
"sensitive": false,
"setterMethodName": "setAdvancedOptions",
"setterModel": {
  "variableDeclarationType": "AdvancedOptionsStatus",
  "variableName": "advancedOptions",
  "variableType": "AdvancedOptionsStatus",
  "documentation": null,
  "simpleType": "AdvancedOptionsStatus",
  "variableSetterType": "AdvancedOptionsStatus"
}
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"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "AdvancedOptionsStatus",
    "variableName" : "advancedOptions",
    "variableType" : "AdvancedOptionsStatus",
    "simpleType" : "AdvancedOptionsStatus",
    "variableSetterType" : "AdvancedOptionsStatus"
},
"xmlNameSpaceUri" : null,
"CognitoOptions" : {
    "beanStyleGetterMethodName" : "getCognitoOptions",
    "beanStyleSetterMethodName" : "setCognitoOptions",
    "c2jName" : "CognitoOptions",
    "c2jShape" : "CognitoOptionsStatus",
    "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>&lt;/p&gt;&lt;/a&gt;
This is a convenience that creates an instance of the { @link CognitoOptionsStatus.Builder} avoiding the need to create one manually via { @link CognitoOptionsStatus#builder()}. When the { @link Consumer} completes, { @link CognitoOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link CognitoOptionsStatus(CognitoOptionsStatus)}<a href="javascript:void(0)" class="identifier">n</a><a href="javascript:void(0)" class="identifier">@</a><a href="javascript:void(0)" class="identifier">param</a> cognitoOptions a consumer that will call methods on { @link CognitoOptionsStatus.Builder}<a href="javascript:void(0)" class="identifier">n</a><a href="javascript:void(0)" class="identifier">@</a><a href="javascript:void(0)" class="identifier">return</a> Returns a reference to this object so that method calls can be chained together.&lt;a href="javascript:void(0)" class="identifier">n</a><a href="javascript:void(0)" class="identifier">@</a><a href="javascript:void(0)" class="identifier">see</a> #cognitoOptions(CognitoOptionsStatus)",
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>&lt;/p&gt;",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "cognitoOptions",
    "fluentSetterDocumentation" : "&lt;p&gt;The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>&lt;/p&gt;&lt;a href="javascript:void(0)" class="identifier">n</a><a href="javascript:void(0)" class="identifier">@</a><a href="javascript:void(0)" class="identifier">param</a> cognitoOptions The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>&lt;/a&gt;.&lt;/p&gt;&lt;a href="javascript:void(0)" class="identifier">n</a><a href="javascript:void(0)" class="identifier">@</a><a href="javascript:void(0)" class="identifier">return</a> Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "cognitoOptions",
}
The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
public CognitoOptions getCognitoOptions() {
    return CognitoOptionsStatus.newBuilder()
            .build();
}
```

The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
public void setCognitoOptions(CognitoOptions cognitoOptions) {
    this.cognitoOptions = cognitoOptions;
}
```

The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](https://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```java
CognitoOptionsStatus getCognitoOptionsStatus() {
    return CognitoOptionsStatus.newBuilder()
            .build();
}
```
"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
"simpleType" : "CognitoOptionsStatus",
"variableSetterType" : "CognitoOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptionsStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. This is a convenience that creates an instance of the <code>EBSOptionsStatus.Builder</code> avoiding the need to create one manually via <code>EBSOptionsStatus.Builder</code>. When the <code>EBSOptionsStatus.Builder</code> completes, <code>EBSOptionsStatus.Builder#build()</code> is called immediately and its result is passed to <code>EBSOptionsStatus</code>. A consumer that will call methods on <code>EBSOptionsStatus.Builder</code> returns a reference to this object so that method calls can be chained together.<code>/*@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.<code>/*@return Returns a reference to this object so that method calls can be chained together.*/
  "documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "null",
  "fluentEnumSetterMethodName" : "null",
  "fluentGetterMethodName" : "ebsOptions",
  "fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
  "fluentSetterMethod" : "EBSOptions",
  "getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
  "getterModel" : {
    "returnType" : "EBSOptionsStatus",
    "documentation" : null
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
"ElasticsearchClusterConfig": {
  "beanStyleGetterMethodName": "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName": "setElasticsearchClusterConfig",
  "c2jName": "ElasticsearchClusterConfig",
  "c2jShape": "ElasticsearchClusterConfigStatus",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>This is a convenience that creates an instance of the { @link ElasticsearchClusterConfigStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfigStatus#builder()}. When the { @link Consumer} completes, { @link ElasticsearchClusterConfigStatus.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchClusterConfigStatus#elasticsearchClusterConfig(ElasticsearchClusterConfigStatus)} a consumer that will call methods on { @link ElasticsearchClusterConfigStatus.Builder} return Returns a reference to this object so that method calls can be chained together." see #elasticsearchClusterConfig(ElasticsearchClusterConfigStatus),
  "deprecated": false,
  "documentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>"
},

"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "elasticsearchClusterConfig",
"fluentSetterDocumentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain. return Returns a reference to this object so that method calls can be chained together."
"getterDocumentation": "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.
@return Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.",

"getterModel": {
  "returnType": "ElasticsearchClusterConfigStatus",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchClusterConfig",
  "queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.”,
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
"variableDeclarationType" : "ElasticsearchClusterConfigStatus",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfigStatus",
"documentation" : null,
"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchClusterConfigStatus",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfigStatus",
"documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
"simpleType" : "ElasticsearchClusterConfigStatus",
"variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchVersion" : {
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>\n\nThis is a convenience that creates an instance of the { @link ElasticsearchVersionStatus.Builder} avoiding the need to create one manually via { @link ElasticsearchVersionStatus#builder()}\n\nWhen the { @link Consumer} completes, { @link
ElasticsearchVersionStatus.Builder#build() is called immediately and its result is passed to [@link #elasticsearchVersion(ElasticsearchVersionStatus)],

@param elasticsearchVersion a consumer that will call methods on [ElasticsearchVersionStatus.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchVersion(ElasticsearchVersionStatus)

"deprecated" : false,
"documentation" : "String of format X.Y to specify version for the Elasticsearch domain.\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.\n\n@return String of format X.Y to specify version for the Elasticsearch domain.\n",
"getterDocumentation" : "String of format X.Y to specify version for the Elasticsearch domain.\n\n@return String of format X.Y to specify version for the Elasticsearch domain.\n",
"getterModel" : {
  "returnType" : "ElasticsearchVersionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchVersion",
"endpointDiscoveryId" : false,
"enumType" : null,
"setterDocumentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
@param elasticsearchVersion String of format X.Y to specify version for the Elasticsearch domain.",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersion",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchVersionStatus",
  "variableSetterType" : "ElasticsearchVersionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersion",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : "<p>String of format X.Y to specify version for the Elasticsearch domain.</p>
  "simpleType" : "ElasticsearchVersionStatus",
  "variableSetterType" : "ElasticsearchVersionStatus"
},
"xmlNameSpaceUri" : null,
"EncryptionAtRestOptions" : {
  "beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
  "beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
  "c2jName" : "EncryptionAtRestOptions",
  "c2jShape" : "EncryptionAtRestOptionsStatus",
  "defaultValueSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code></p> for the Elasticsearch domain.

This is a convenience that creates an instance of the {@link EncryptionAtRestOptionsStatus.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptionsStatus#builder()}. When the {@link Consumer} completes, {@link EncryptionAtRestOptionsStatus#builder()}.build() is called immediately and its result is passed to the {@link EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)}.

@return Returns a reference to this object so that method calls can be chained together.

@endlink

@endlink

"deprecated" : false,
"documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>

"endpointDiscoveryId" : false,
Elasticsearch domain.

@returns Returns a reference to this object so that method calls can be chained together.

@getter Specifies the EncryptionAtRestOptions for the Elasticsearch domain.

@getterModel {
  "returnType" : "EncryptionAtRestOptionsStatus",
  "documentation" : null
}

@http {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EncryptionAtRestOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EncryptionAtRestOptions",
  "uri" : false
},

@idempotencyToken : false,

@marshall {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "marshaller" : null,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EncryptionAtRestOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EncryptionAtRestOptions",
  "uri" : false
},

@marshalling {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "marshaller" : null,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EncryptionAtRestOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EncryptionAtRestOptions",
  "uri" : false
},

@setter Specifies the EncryptionAtRestOptions for the Elasticsearch domain.

@setterModel {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptionsStatus",
  "variableSetterType" : "EncryptionAtRestOptionsStatus"
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
  "simpleType" : "EncryptionAtRestOptionsStatus",
  "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
  "beanStyleGetterMethodName" : "getLogPublishingOptions",
  "beanStyleSetterMethodName" : "setLogPublishingOptions",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptionsStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>"nThis is a convenience that creates an instance of the {@link LogPublishingOptionsStatus.Builder} avoiding the need to create one manually via {@link LogPublishingOptionsStatus#builder()}.nWhen the {@link Consumer} completes, {@link LogPublishingOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link LogPublishingOptionsStatus} .n@param logPublishingOptions a consumer that will call methods on {@link LogPublishingOptionsStatus.Builder}n@return Returns a reference to this object so that method calls can be chained together.n@see #logPublishingOptions(LogPublishingOptionsStatus)",
  "deprecated" : false,
  "documentation" : "<p>Log publishing options for the given domain.</p>"n,"endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "logPublishingOptions",
  "fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>"n"param logPublishingOptions Log publishing options for the given domain.n@return Returns a reference to this object so that method calls can be chained together.
  "fluentSetterMethodName" : "logPublishingOptions",
  "getterDocumentation" : "<p>Log publishing options for the given domain.</p>"n"return Log publishing options for the given domain.
  "getterModel" : {
    "returnType" : "LogPublishingOptionsStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false,

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "LogPublishingOptions",
"sensitive" : false,

"setterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.",
"setterMethodName" : "setLogPublishingOptions",
"setterModel" : {
    "variableDeclarationType" : "LogPublishingOptionsStatus",
    "variableName" : "logPublishingOptions",
    "variableType" : "LogPublishingOptionsStatus",
    "documentation" : null,
    "simpleType" : "LogPublishingOptionsStatus",
    "variableSetterType" : "LogPublishingOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "LogPublishingOptionsStatus",
    "variableName" : "logPublishingOptions",
    "variableType" : "LogPublishingOptionsStatus",
    "documentation" : "Log publishing options for the given domain."
},
"xmlNameSpaceUri" : null
},

"NodeToNodeEncryptionOptions" : {
    "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
    "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",

"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the
<code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.<br/>
This is a convenience that creates an instance of the}<br/>
[@link NodeToNodeEncryptionOptionsStatus.Builder] avoiding the need to create one<br/>
manually via [@link NodeToNodeEncryptionOptionsStatus#builder()].
When the [@link Consumer] completes, [@link NodeToNodeEncryptionOptionsStatus.Builder#build()] is called immediately and its result is<br/>passed to [@link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptionsStatus)].<br/>
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", "idempotencyToken": false,
  "isBinary": false,
  "jsonValue": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "marshallingType": "SDK_POJO",
  "name": "NodeToNodeEncryptionOptions",
  "sensitive": false,
  "setterDocumentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>\n@\param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
  "setterMethodName": "setNodeToNodeEncryptionOptions",
  "setterModel": {
    "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptionsStatus",
    "documentation": null,
    "simpleType": "NodeToNodeEncryptionOptionsStatus",
    "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
  },
  "simple": false,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptionsStatus",
    "documentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
  "simpleType": "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
  },
  "xmlNameSpaceUri": null
},
  "snapshotOptions": {
    "beanStyleGetterMethodName": "getSnapshotOptions",
    "beanStyleSetterMethodName": "setSnapshotOptions",
    "c2jName": "SnapshotOptions",
    "c2jShape": "SnapshotOptionsStatus",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
  "simpleType": "SnapshotOptionsStatus",
  "variableSetterType": "SnapshotOptionsStatus"
},
  "xmlNameSpaceUri": null
};
This is a convenience that creates an instance of the { @link SnapshotOptionsStatus.Builder } avoiding the need to create one manually via { @link SnapshotOptionsStatus#builder() }.\n\nWhen the { @link Consumer } completes, { @link SnapshotOptionsStatus.Builder#build() } is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptionsStatus)}:\n\n@\param snapshotOptions a consumer that will call methods on { @link SnapshotOptionsStatus.Builder}\n@\return Returns a reference to this object so that method calls can be
chained together.

@see #snapshotOptions(SnapshotOptionsStatus)

"deprecated" : false,
"documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "snapshotOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
"getterDocumentation" : "snapshotOptions",
"getterMethod" : {
"returnType" : "SnapshotOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain."

domain.

"setterMethodName": "setSnapshotOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptionsStatus",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptionsStatus",
  "documentation": null,
  "simpleType": "SnapshotOptionsStatus",
  "variableSetterType": "SnapshotOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptionsStatus",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptionsStatus",
  "documentation": "Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
  "simpleType": "SnapshotOptionsStatus",
  "variableSetterType": "SnapshotOptionsStatus"
},
"xmlNameSpaceUri": null
},
"VPCOptions": {
  "beanStyleGetterMethodName": "getVpcOptions",
  "beanStyleSetterMethodName": "setVpcOptions",
  "c2jName": "VPCOptions",
  "c2jShape": "VPCDerivedInfoStatus",
  "defaultConsumerFluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>".
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetMethodName": "vpcOptions",
  "fluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetMethodName": "vpcOptions",
  "fluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetMethodName": "vpcOptions",
  "fluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>",
  "defaultConsumerFluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "endpointDiscoveryId": false,
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@param vpcOptions The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "vpcOptions",

"getterDocumentation" : "The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

@return The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

"getterModel" : {
  "returnType" : "VPCDerivedInfoStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "VPCOptions",

"sensitive" : false,

"setterDocumentation" : "The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@param vpcOptions The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "vpcOptions",

"getterDocumentation" : "The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

@return The \n"<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

"getterModel" : {
  "returnType" : "VPCDerivedInfoStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
The `VPCOptions` for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html) for the specified domain. For more information, see [VPC Endpoints for Amazon Elasticsearch Service Domains](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html)
domain.

@returns Returns a reference to this object so that method calls can be chained together.

"setterMethodName": "setElasticsearchVersion",
"setterModel": {
  "variableDeclarationType": "ElasticsearchVersionStatus",
  "variableName": "elasticsearchVersion",
  "complexType": "ElasticsearchVersionStatus",
  "documentation": null,
  "simple": false
},
"timestampFormat": null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersion",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : "String of format X.Y to specify version for the Elasticsearch domain.\n  \n  This is a convenience that creates an instance of the \{\link ElasticsearchClusterConfigStatus.Builder\} avoiding the need to create one manually via \{\link ElasticsearchClusterConfigStatus#builder()\}.\n  \n  When the \{\link Consumer\} completes, \{\link ElasticsearchClusterConfigStatus.Builder#build()\} is called immediately and its result is passed to \{\link ElasticsearchClusterConfig\} a consumer that will call methods on \{\link ElasticsearchClusterConfigStatus.Builder\}\n  \n  Returns a reference to this object so that method calls can be chained together.\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  Specifies the \<code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.\n  \n  \n  \param elasticsearchClusterConfig a consumer that will call methods on \{\link ElasticsearchClusterConfigStatus.Builder\}\n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \param elasticsearchClusterConfig\n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(ElasticsearchClusterConfigStatus)\n  \n  \n  \return \link ElasticsearchClusterConfig\n  \n  \see \link ElasticsearchClusterConfig(Elasticsh
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"setterDocumentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>
@param elasticsearchClusterConfig Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.

"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfigStatus",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfigStatus",
  "documentation" : "<p>Specifies the <code>ElasticsearchClusterConfig</code> for the Elasticsearch domain.</p>",
  "simpleType" : "ElasticsearchClusterConfigStatus",
  "variableSetterType" : "ElasticsearchClusterConfigStatus"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain. This is a convenience that creates an instance of the {@link EBSOptionsStatus.Builder} avoiding the need to create one manually via {@link EBSOptionsStatus.Builder#builder()}. When the Consumer completes, {@link EBSOptionsStatus.Builder#build()} is called immediately and its result is passed to {param ebsOptions a consumer that will call methods on @link EBSOptionsStatus.Builder}.

When the Consumer completes, {@link EBSOptionsStatus.Builder#build()} is called immediately and its result is passed to {param ebsOptions a consumer that will call methods on @link EBSOptionsStatus.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see ebsOptions(EBSOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@param ebsOptions Specifies the <code>EBSOptions</code> for the Elasticsearch domain.
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.

@see ebsOptions(EBSOptionsStatus)",
"getterDocumentation" : "<p>Specifies the <code>EBSOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EBSOptions</code> for the Elasticsearch domain.

@see ebsOptions(EBSOptionsStatus)",
"getterModel" : {
  "returnType" : "EBSOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EBSOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EBSOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "<p>SPECIFIES the &lt;code&gt;EBSOptions&lt;/code&gt; for the Elasticsearch domain.\</p>\n@\param ebsOptions \SPECIFIES the &lt;code&gt;EBSOptions&lt;/code&gt; for the Elasticsearch domain.\></p>\n\n\n"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : "<p>SPECIFIES the &lt;code&gt;EBSOptions&lt;/code&gt; for the Elasticsearch domain.\</p>\n\n\n"setterDocumentation" : "<p>SPECIFIES the &lt;code&gt;EBSOptions&lt;/code&gt; for the Elasticsearch domain.\</p>\n\n\n"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptionsStatus",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptionsStatus",
  "documentation" : null,
  "simpleType" : "EBSOptionsStatus",
  "variableSetterType" : "EBSOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "AccessPoliciesStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.\nThis is a convenience that creates an instance of the \{ @link AccessPoliciesStatus.Builder \} avoiding the need to create one manually via \{ @link AccessPoliciesStatus#builder() \}.\nWhen the \{ @link Consumer \} completes, \{ @link AccessPoliciesStatus.Builder#build() \} is called immediately and its result is passed to \{ @link \#accessPolicies(AccessPoliciesStatus) \}.\n\n@\param accessPolicies a consumer that will call methods on \{ @link AccessPoliciesStatus.Builder\}
\n@see #accessPolicies(AccessPoliciesStatus)\",
"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.\n\n\n"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluuentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string",
"getterModel" : {
   "returnType" : "AccessPoliciesStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "AccessPolicies",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "AccessPolicies",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
   "variableDeclarationType" : "AccessPoliciesStatus",
   "variableName" : "accessPolicies",
   "variableType" : "AccessPoliciesStatus",
   "documentation" : null,
   "simpleType" : "AccessPoliciesStatus",
   "variableSetterType" : "AccessPoliciesStatus"
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "AccessPoliciesStatus",
  "variableName": "accessPolicies",
  "variableType": "AccessPoliciesStatus",
  "documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
  "simpleType": "AccessPoliciesStatus",
  "variableSetterType": "AccessPoliciesStatus"
},
"xmlnsNameSpaceUri": null,
"
  "beanStyleGetterMethodName": "getSnapshotOptions",
  "beanStyleSetterMethodName": "setSnapshotOptions",
  "c2jName": "SnapshotOptions",
  "c2jShape": "SnapshotOptionsStatus",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link SnapshotOptionsStatus.Builder} avoiding the need to create one manually via { @link SnapshotOptionsStatus#builder()}. When the { @link Consumer} completes, { @link SnapshotOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link SnapshotOptionsSnapshotOptionsStatus}.<p>
  "deprecated": false,
  "documentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "snapshotOptions",
  "fluentSetterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
  "@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.<p>
  @return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName": "snapshotOptions",
  "getterDocumentation": "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
  @return Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain."",
  "getterModel": {
    "returnType": "SnapshotOptionsStatus",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SnapshotOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SnapshotOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"_sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>
@param snapshotOptions Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : { 
    "variableDeclarationType" : "SnapshotOptionsStatus",
    "variableName" : "snapshotOptions",
    "variableType" : "SnapshotOptionsStatus",
    "documentation" : null,
    "simpleType" : "SnapshotOptionsStatus",
    "variableSetterType" : "SnapshotOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : { 
    "variableDeclarationType" : "SnapshotOptionsStatus",
    "variableName" : "snapshotOptions",
    "variableType" : "SnapshotOptionsStatus",
    "documentation" : "<p>Specifies the <code>SnapshotOptions</code> for the Elasticsearch domain.</p>",
    "simpleType" : "SnapshotOptionsStatus",
    "variableSetterType" : "SnapshotOptionsStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions"
"c2jName" : "VPCOptions",
"c2jShape" : "VPCDerivedInfoStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
This is a convenience that creates an instance of the [@link VPCDerivedInfoStatus.Builder] avoiding the need to create one manually via [@link VPCDerivedInfoStatus#builder()]. When the [@link Consumer] completes, [@link VPCDerivedInfoStatus.Builder#build()] is called immediately and its result is passed to [@link #vpcOptions(VPCDerivedInfoStatus)].

@see #vpcOptions(VPCDerivedInfoStatus)
@deprecated : false,
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>"
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
@return Returns a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCDerivedInfoStatus)"
@endeprecated : false,
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>"
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "VPCOptions",
"simple" : false,

"setterDocumentation" : "\nThe <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.\n\n@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfoStatus",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfoStatus",
  "documentation" : "\nThe <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "simpleType" : "VPCDerivedInfoStatus",
  "variableSetterType" : "VPCDerivedInfoStatus"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptionsStatus",
This is a convenience that creates an instance of the { @link CognitoOptionsStatus.Builder} avoiding the need to create one manually via { @link CognitoOptionsStatus#builder()}. When the { @link Consumer} completes, { @link CognitoOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link #cognitoOptions(CognitoOptionsStatus)}. 
@param cognitoOptions a consumer that will call methods on { @link CognitoOptionsStatus.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #cognitoOptions(CognitoOptionsStatus)",
"deprecated" : false,
endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. 
@return Returns a reference to this object so that method calls can be chained together.
@see #cognitoOptions(CognitoOptionsStatus)",
"fluentSetterMethodName" : "cognitoOptions",
@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. 
@see #cognitoOptions(CognitoOptionsStatus)"
"getterModel" : {
    "returnType" : "CognitoOptionsStatus",
    "documentation" : null
  },
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CognitoOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CognitoOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank"&gt;Amazon Cognito Authentication for Kibana&lt;/a&gt;.&lt;/p&gt;\n\n@param cognitoOptions The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank"&gt;Amazon Cognito Authentication for Kibana&lt;/a&gt;.&lt;/p&gt;\n\nsetterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : null,
  "simpleType" : "CognitoOptionsStatus",
  "variableSetterType" : "CognitoOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptionsStatus",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptionsStatus",
  "documentation" : "&lt;p&gt;The &lt;code&gt;CognitoOptions&lt;/code&gt; for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank"&gt;Amazon Cognito Authentication for Kibana&lt;/a&gt;.&lt;/p&gt;\n\n"simpleType" : "CognitoOptionsStatus",
  "variableSetterType" : "CognitoOptionsStatus"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link EncryptionAtRestOptionsStatus.Builder} avoiding the need to create one manually via { @link EncryptionAtRestOptionsStatus#builder()}. When the { @link Consumer} completes, { @link EncryptionAtRestOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)}.

When the { @link Consumer} completes, { @link EncryptionAtRestOptionsStatus.Builder#build()} is called immediately and its result is passed to { @link EncryptionAtRestOptions(EncryptionAtRestOptionsStatus)}.

@param encryptionAtRestOptions a consumer that will call methods on { @link EncryptionAtRestOptionsStatus.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.\n@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.\n@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."
,"getterDocumentation" : "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@return Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.
@see #encryptionAtRestOptions(EncryptionAtRestOptionsStatus)",
"getterModel" : {
  "returnType" : "EncryptionAtRestOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "EncryptionAtRestOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "EncryptionAtRestOptions",
  "uri" : false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "EncryptionAtRestOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
@param encryptionAtRestOptions Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain."

"setterMethodName": "setEncryptionAtRestOptions",
"setterModel": {
  "variableDeclarationType": "EncryptionAtRestOptionsStatus",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptionsStatus",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptionsStatus",
  "variableSetterType": "EncryptionAtRestOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptionsStatus",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptionsStatus",
  "documentation": "<p>Specifies the <code>EncryptionAtRestOptions</code> for the Elasticsearch domain.</p>
  "variableSetterType": "EncryptionAtRestOptionsStatus"
},
"xmlnsNamespaceUri": null
},

"beanStyleGetterMethodName": "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName": "setNodeToNodeEncryptionOptions",
"c2jName": "NodeToNodeEncryptionOptions",
"c2jShape": "NodeToNodeEncryptionOptionsStatus",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@See NodeToNodeEncryptionOptionsStatus.Builder\n
This is a convenience that creates an instance of the \{ @link NodeToNodeEncryptionOptionsStatus.Builder \} avoiding the need to create one manually via \{ @link NodeToNodeEncryptionOptionsStatus#builder() \}. When the \{ @link Consumer \} completes, \{ @link NodeToNodeEncryptionOptionsStatus.Builder#build() \} is called immediately and its result is passed to \{ @link NodeToNodeEncryptionOptions<NodeToNodeEncryptionOptionsStatus> \}. \n
@return Returns a reference to this object so that method calls can be chained together.\n@see NodeToNodeEncryptionOptionsStatus.Builder\n
"deprecated" : false,
"documentation" : "Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.
\</p",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
"fluentSetterDocumentation" : "Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.
\</p>\n@\param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.
\</p>\n@\param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.\n@return Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain."
"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptionsStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NodeToNodeEncryptionOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>
@param nodeToNodeEncryptionOptions Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.",
"setterMethodName": "setNodeToNodeEncryptionOptions",
"setterModel": {
  "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
  "variableName": "nodeToNodeEncryptionOptions",
  "variableType": "NodeToNodeEncryptionOptionsStatus",
  "documentation": null,
  "simpleType": "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
  "variableName": "nodeToNodeEncryptionOptions",
  "variableType": "NodeToNodeEncryptionOptionsStatus",
  "documentation": "<p>Specifies the <code>NodeToNodeEncryptionOptions</code> for the Elasticsearch domain.</p>",
  "simpleType": "NodeToNodeEncryptionOptionsStatus",
  "variableSetterType": "NodeToNodeEncryptionOptionsStatus"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getAdvancedOptions",
"beanStyleSetterMethodName": "setAdvancedOptions",
"c2jName": "AdvancedOptions",
"c2jShape": "AdvancedOptionsStatus",
This is a convenience that creates an instance of the {@link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via {@link AdvancedOptionsStatus#builder()}.
When the {@link Consumer} completes, {@link AdvancedOptionsStatus.Builder#build()} is called immediately and its result is passed to {@link #advancedOptions(AdvancedOptionsStatus)}.
@param advancedOptions a consumer that will call methods on {@link AdvancedOptionsStatus.Builder} avoiding the need to create one manually via {@link AdvancedOptionsStatus#builder()}
@return Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(AdvancedOptionsStatus)"
"deprecated": false,
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information.
@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "advancedOptions",


"getterModel" : {
  "returnType" : "AdvancedOptionsStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "AdvancedOptions",
"sensitive" : false,

@param advancedOptions Specifies the <code>AdvancedOptions</code> for the domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuring Advanced Options</a> for more information."

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",
  "documentation" : null,
  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdvancedOptionsStatus",
  "variableName" : "advancedOptions",
  "variableType" : "AdvancedOptionsStatus",

  "simpleType" : "AdvancedOptionsStatus",
  "variableSetterType" : "AdvancedOptionsStatus"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getLogPublishingOptions",
"beanStyleSetterMethodName" : "setLogPublishingOptions",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptionsStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>This is a convenience that creates an instance of the {@link LogPublishingOptionsStatus.Builder} avoiding the need to create one manually via {@link LogPublishingOptionsStatus#builder()}. When the {@link Consumer} completes, {@link LogPublishingOptionsStatus.Builder#build()} is called immediately and its result is passed to @link LogPublishingOptions a consumer that will call methods on @link LogPublishingOptions a reference to this object so that method calls can be chained together.<a href="#logPublishingOptions(LogPublishingOptionsStatus)" target="_blank">see #logPublishingOptions(LogPublishingOptionsStatus)</a>.
  "deprecated" : false,
  "documentation" : "<p>Log publishing options for the given domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "logPublishingOptions",
"fluentSetterDocumentation" : "Log publishing options for the given domain.
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "logPublishingOptions",
"getterDocumentation" : "Log publishing options for the given domain.
@return Log publishing options for the given domain.",
"getterModel" : {
  "returnType" : "LogPublishingOptionsStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "Log publishing options for the given domain.
@param logPublishingOptions Log publishing options for the given domain.",
"setterMethodName" : "setLogPublishingOptions",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOptionsStatus",
  "variableName" : "logPublishingOptions",
  "variableType" : "LogPublishingOptionsStatus",
  "documentation" : null,
  "simpleType" : "LogPublishingOptionsStatus"}
"variableSetterType" : "LogPublishingOptionsStatus",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "LogPublishingOptionsStatus",
    "variableName" : "logPublishingOptions",
    "variableType" : "LogPublishingOptionsStatus",
    "documentation" : "<p>Log publishing options for the given domain.</p>",
    "simpleType" : "LogPublishingOptionsStatus",
    "variableSetterType" : "LogPublishingOptionsStatus"
},
"xmlNameSpaceUri" : null}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ElasticsearchDomainConfig",
"simpleMethod" : false,
"unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
},
"variable" : {
    "variableDeclarationType" : "ElasticsearchDomainConfig",
    "variableName" : "elasticsearchDomainConfig",
    "variableType" : "ElasticsearchDomainConfig",
    "documentation" : null,
    "simpleType" : "ElasticsearchDomainConfig",
    "variableSetterType" : "ElasticsearchDomainConfig"
},
"wrapper" : false
},
"ElasticsearchDomainStatus" : {
    "c2jName" : "ElasticsearchDomainStatus",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "<p>The current status of an Elasticsearch domain.</p>",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,

"members" : [ {
    "beanStyleGetterMethodName" : "getDomainId",
    "beanStyleSetterMethodName" : "setDomainId",
    "c2jName" : "DomainId",
    "c2jShape" : "DomainId",
    "defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.
</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link DomainId(String)}. @param domainId a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainId(String)",
    "deprecated" : false,
    "documentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainId",
    "fluentSetterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "domainId",
    "getterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@return The unique identifier for the specified Elasticsearch domain.",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
    }
} }
"marshallLocationName" : "DomainId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainId",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainId",
"sensitive" : false,
"setterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain."
,"setterMethodName" : "setDomainId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are
unique across the domains owned by an account within an AWS region. Domain names start with a letter or number
and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
This is a convenience that
creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<p>/n@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>",
"setterMethodName" : "setNameDomain",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).<p>/n@simpleType "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
This is a convenience that creates an instance of the {<link String.Builder> avoiding the need to create one manually via {<link String.Builder>}. When the {<link Consumer> completes, {<link String.Builder#build()>} is called immediately and its result is passed to {<link &amp;param arn a consumer that will call methods on {<link String.Builder}>\n@return Returns a reference to this object so that
method calls can be chained together.

"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "arn",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,

"setterMethodName" : "setArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",

  "simpleType" : "String",
  "variableSetterType" : "String"
}

"defaultConsumerFluentSetterDocumentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>

This is a convenience that creates an instance of the [link Boolean.Builder] avoiding the need to
create one manually via \{@link Boolean#builder()}\n\nWhen the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #created(Boolean)\}\n@param created a consumer that will call methods on \{@link Boolean.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #created(Boolean)"
    "deprecated" : false,
    "documentation" : "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "created",
    "fluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
    <p>@return Returns a reference to this object so that method calls can be chained together.</p>",
    "fluentSetterMethodName" : "created",
    "getterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
    <p>@return The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>",
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "Created",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "Created",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Created",
"sensitive": false,
"setterDocumentation": "The domain creation status. \(<code>True</code> if the creation of an Elasticsearch domain is complete. \(<code>False</code> if domain creation is still in progress.\>\n\<p>@param created The domain creation status. \(<code>True</code> if the creation of an Elasticsearch domain is complete. \(<code>False</code> if domain creation is still in progress.\>"
"setterMethodName": "setCreated",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": "The domain creation status. \(<code>True</code> if the creation of an Elasticsearch domain is complete. \(<code>False</code> if domain creation is still in progress.\)"
},
"xmlNameSpaceUri": null
},
{"beanStyleGetterMethodName": "getDeleted",
"beanStyleSetterMethodName": "setDeleted",
"c2jName": "Deleted",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": "The domain deletion status. \(<code>True</code> if the creation of an Elasticsearch domain is complete. \(<code>False</code> if domain creation is still in progress.\>
\n\<p>This is a convenience that creates an instance of the \{@link Boolean.Builder\} avoiding the need to create one manually via \{@link Boolean#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #deleted(Boolean)\}.\n\n\<p>\n\<p>@return Returns a reference to this object so that method calls can be chained together.\n\<p>@see #deleted(Boolean)"
,"deprecated": false,
"documentation": "The domain deletion status. \(<code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. \(<code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.\>\n\n\<p>This is a convenience that creates an instance of the \{@link Boolean.Builder\} avoiding the need to create one manually via \{@link Boolean#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #deleted(Boolean)\}.\n\n\<p>@return Returns a reference to this object so that method calls can be chained together.\n\<p>@see #deleted(Boolean)"
,"deprecated": false,
"documentation": "The domain deletion status. \(<code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. \(<code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.\>\n\n\<p>This is a convenience that creates an instance of the \{@link Boolean.Builder\} avoiding the need to create one manually via \{@link Boolean#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #deleted(Boolean)\}.\n\n\<p>@return Returns a reference to this object so that method calls can be chained together.\n\<p>@see #deleted(Boolean)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "deleted",
"fluentSetterMethodName" : "deleted",
"getterDocumentation" : "The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

@returns Returns a reference to this object so that method calls can be chained together."

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Deleted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Deleted",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"sensitive" : false,

"setterDocumentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>
@param deleted
The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.",

"setterMethodName" : "setDeleted",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getEndpoint",
"beanStyleSetterMethodName" : "setEndpoint",
"c2jName" : "Endpoint",
"c2jShape" : "ServiceUrl",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #endpoint(String)}. Returns a reference to this object so that method calls can be chained together.
@see #endpoint(String)"

"deprecated" : false,
"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>"
The Elasticsearch domain endpoint that you use to submit index and search requests.

**@param endpoint** The Elasticsearch domain endpoint that you use to submit index and search requests.

**@return** Returns a reference to this object so that method calls can be chained together.

```

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Endpoint",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Endpoint",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "STRING",

"name": "Endpoint",

"sensitive": false,

"setterDocumentation": "The Elasticsearch domain endpoint that you use to submit index and search requests.

**@param endpoint** The Elasticsearch domain endpoint that you use to submit index and search requests.

**@return** Returns a reference to this object so that method calls can be chained together.

```

"setterMethodName": "setEndpoint",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "variableVisibility": "public",
  "variableVisibilityComment": null
},

"setterSetterMethodName": "endpoint",

"setterSetterDocumentation": "The Elasticsearch domain endpoint that you use to submit index and search requests.

**@param endpoint** The Elasticsearch domain endpoint that you use to submit index and search requests.

**@return** Returns a reference to this object so that method calls can be chained together.

```
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "endpoint",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getEndpoints",
  "beanStyleSetterMethodName" : "setEndpoints",
  "c2jName" : "Endpoints",
  "c2jShape" : "EndpointsMap",
  "defaultConsumerFluentSetterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyhrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
This is a convenience that creates an instance of the {@link Map<String,String>.Builder} avoiding the need to create one manually via {@link Map<String,String>#builder()}. When the {@link Consumer} completes, {@link Map<String,String>.Builder#build()} is called immediately and its result is passed to {@link #endpoints(Map<String,String>)}.<p>
@return Returns a reference to this object so that method calls can be chained together.<p>
@see #endpoints(Map<String,String>)",
  "deprecated" : false,
  "documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyhrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "endpoints",
  "fluentSetterDocumentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efggyhrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see #endpoints(Map<String,String>)",
  "fluentSetterMethodName" : "endpoints",
"getterDocumentation": "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example: key, value = 'vpc', 'vpc-endpoint-h2dsd34efgyghrtgk5gt6j2foh4.us-east-1.es.amazonaws.com'. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example: key, value = 'vpc', 'vpc-endpoint-h2dsd34efgyghrtgk5gt6j2foh4.us-east-1.es.amazonaws.com'. "",

"getterModel": {
  "returnType": "java.util.Map<String,String>",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Endpoints",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Endpoints",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": true,

"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String.Builder#builder()}.\n\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #key(String)}.\n\n@see #key(String)",
    "deprecated": false,
  }
},
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setKey",
"setterModel" : {"n"}
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String#builder()\}.\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder#build\} is called immediately and its result is passed to \{ @link value(String)\}.\n\n@param value a consumer that will call methods on \{ @link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThe new value for the Value property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object."
  "getterModel" : {
    "returnType" : "String",
  }}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
"setterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>

"setterMethodName" : "setEndpoints",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getProcessing",
"beanStyleSetterMethodName" : "setProcessing",
"c2jName" : "Processing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>

This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #processing(Boolean)}. param processing a consumer that will call methods on {@link Boolean.Builder} @return Returns a reference to this object so that method calls can be chained together.

\n@see
"processing(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "processing",
  "fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
  @param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "processing",
  "getterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
  @return The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
  @return The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
  @return Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Processing",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Processing",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"marshallerType" : "BOOLEAN",
"name" : "Processing",
"sensitive" : false,
"setterDocumentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active. \n</p>@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "upgradeProcessing",
"getterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.\n@return The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.\n"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeProcessing",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeProcessing",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active. \n</p>@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active. \n@return <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.",
"setterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"supportedServiceOperationEnum" : null,
"supportedServiceOperationURLTemplate" : null,
"version" : null,
configuration is active.

setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this
object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create
one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to
{@link ElasticsearchVersion(String)}\n\n@see #elasticsearchVersion(String)"
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.\n\n@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "elasticsearchVersion"
"getterDocumentation" : "Returns the value of the ElasticsearchVersion property for this object.

@return The value of the ElasticsearchVersion property for this object."

"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object."

"setterMethodName" : "setElasticsearchVersion",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsSpaceUri" : null

{
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
This is a convenience that creates an instance of the {link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via {link ElasticsearchClusterConfig#builder()}. When the {link Consumer} completes, {link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to {link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}. The parameter is a consumer that will call methods on {link ElasticsearchClusterConfig.Builder} that returns a reference to this object so that method calls can be chained together."
@return Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p>The type and number of instances in the domain cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances in the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@return The type and number of instances in the domain cluster.",
"getterModel" : {
"returnType" : "ElasticsearchClusterConfig",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",}
"marshallLocationName" : "ElasticsearchClusterConfig",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchClusterConfig",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances in the domain cluster."

"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>The type and number of instances in the domain cluster.</p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",

This is a convenience that creates an instance of the { @link EBSOptions.Builder} avoiding the need to create one manually via { @link EBSOptions#builder()}. When the { @link Consumer}
completes, \{@link EBSOptions.Builder#build()\} is called immediately and its result is passed to \{@link EBSOptions.Builder\}.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #ebsOptions(EBSOptions)\n
"deprecated": false,
"documentation": "<p>The \<code>EBSOptions</code> for the specified domain. See \(<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank\">Configuring EBS-based Storage</a> for more information.</p>\n
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "ebsOptions",
"fluentSetterDocumentation": "<p>The \<code>EBSOptions</code> for the specified domain. See \(<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank\">Configuring EBS-based Storage</a> for more information.</p>\n
"fluentSetterMethodname": "ebsOptions",
"getterDocumentation": "<p>The \<code>EBSOptions</code> for the specified domain. See \(<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank\">Configuring EBS-based Storage</a> for more information.</p>\n
"getterModel": {
"returnType": "EBSOptions",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "EBSOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "EBSOptions",
"uri": false
"setterDocumentation" : "<p>The <code>EBSOptions</code> for the specified domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.&lt;/p&gt;\n\n@code\n@param ebsOptions The <code>EBSOptions</code> for the specified domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.&lt;/code&gt;\n\n\nsetterMethodName" : "setEbsOptions",
"setterModel" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : "<p>The <code>EBSOptions</code> for the specified domain. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.&lt;/p&gt;\n\n@simpleType\n@variableSetterType "EBSOptions"
},
"xmlNameSpaceUri" : null,
}
accessPolicies a consumer that will call methods on { @link String.Builder}n@return Returns a reference to this object so that method calls can be chained together.n@see #accessPolicies(String)",
  "deprecated" : false,
  "documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "accessPolicies",
  "fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies IAM access policy as a JSON-formatted string.\n@return Returns a reference to this object so that method calls can be chained together.\n  "fluentSetterMethodName" : "accessPolicies",
  "getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
  @param accessPolicies IAM access policy as a JSON-formatted string.\n@return IAM access policy as a JSON-formatted string.\n  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "AccessPolicies",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "AccessPolicies",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "AccessPolicies",
  "sensitive" : false,
  "setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>\n@param accessPolicies
IAM access policy as a JSON-formatted string.

setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
This is a convenience that creates an instance of the builder avoiding the need to create one manually via <code>SnapshotOptions#builder()</code>. When the <code>Consumer</code> completes, the <code>SnapshotOptions.Builder#build()</code> is called immediately and its result is passed to <code>snapshotOptions(SnapshotOptions)</code>.<p>@param snapshotOptions a consumer that will call methods on <code>SnapshotOptions</code> to this object so that method calls can be chained together.<p>@see #snapshotOptions(SnapshotOptions)</p>",
"deprecated" : false,
"documentation" : null,
"enumType" : null,
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : null,
"fluentSetterDocumentation" : null,
"fluentSetterMethodName" : null,
"fluentSetterDocumentation" : null,
"getterDocumentation" : null,
Specifies the status of the `<code>SnapshotOptions</code>`:

```json
"getterModel" : {
  "returnType" : "SnapshotOptions",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SnapshotOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SnapshotOptions",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "SnapshotOptions",

"sensitive" : false,

"setterDocumentation" : "Specifies the status of the `<code>SnapshotOptions</code>`.
@param snapshotOptions Specifies the status of the `<code>SnapshotOptions</code>`",

"setterMethodName" : "setSnapshotOptions",

"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "variableType" : "SnapshotOptions"
"documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>",
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
  
  "beanStyleGetterMethodName" : "getVpcOptions",
  "beanStyleSetterMethodName" : "setVpcOptions",
  "c2jName" : "VPCOptions",
  "c2jShape" : "VPCDerivedInfo",
  "defaultValueFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain.
For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>
This is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo#builder()}. When the {@link Consumer} completes, {@link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {@link VPCOptions(VPCDerivedInfo)}.{@link @param vpcOptions a consumer that will call methods on {@link VPCDerivedInfo.Builder}}. @return Returns a reference to this object so that method calls can be chained together.{@link @see #vpcOptions(VPCDerivedInfo)}",
  "deprecated" : false,
  "documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>"
}
"http": {  
"additionalMarshallingPath" : null,  
"additionalUnmarshallingPath" : null,  
"flattened" : false,  
"greedy" : false,  
"header" : false,  
"isPayload" : false,  
"isStreaming" : false,  
"location" : null,  
"marshallLocation" : "PAYLOAD",  
"marshallLocationName" : "VPCOptions",  
"queryString" : false,  
"statusCode" : false,  
"unmarshallLocationName" : "VPCOptions",  
"uri" : false  
},  
"idempotencyToken" : false,  
"isBinary" : false,  
"jsonValue" : false,  
"list" : false,  
"listModel" : null,  
"map" : false,  
"mapModel" : null,  
"marshallingType" : "SDK_POJO",  
"name" : "VPCOptions",  
"sensitive" : false,  
"setterDocumentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. 
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. 
</p>
"setterMethodName" : "setVpcOptions",  
"setterModel" : {  
"variableDeclarationType" : "VPCDerivedInfo",  
"variableName" : "vpcOptions",  
"variableType" : "VPCDerivedInfo",  
"documentation" : null,  
"simpleType" : "VPCDerivedInfo",  
"variableSetterType" : "VPCDerivedInfo"  
},  
"simple" : false,  
"timestampFormat" : null,  
"variable" : {  
"variableDeclarationType" : "VPCDerivedInfo",  
"variableName" : "vpcOptions",  
"variableType" : "VPCDerivedInfo",  
"documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see 
"
VPC Endpoints for Amazon Elasticsearch Service Domains

This is a convenience that creates an instance of the `CognitoOptions.Builder` avoiding the need to create one manually via `CognitoOptions.Builder()` when the `Consumer` completes. The `cognitoOptions(CognitoOptions)` is called immediately and its result is passed to a consumer that will call methods on `CognitoOptions.Builder` a reference to this object so that method calls can be chained together.

Amazon Cognito Authentication for Kibana

For more information, see Amazon Cognito Authentication for Kibana.
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "CognitoOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "CognitoOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "CognitoOptions",
" targetType": false,
"setterDocumentation": "<p>The <code>CognitoOptions</code> for the specified domain. For more information, see <a href='http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html' target='_blank'>Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions The <code>CognitoOptions</code> for the specified domain. For more information, see <a href='http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html' target='_blank'>Amazon Cognito Authentication for Kibana</a>.",
"setterMethodName": "setCognitoOptions",
"setterModel": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CognitoOptions",
  "variableName": "cognitoOptions",
  "variableType": "CognitoOptions",
  "documentation": null,
  "simpleType": "CognitoOptions",
  "variableSetterType": "CognitoOptions"}
The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html). This is a convenience that creates an instance of the `EncryptionAtRestOptions` avoiding the need to create one manually via `EncryptionAtRestOptions.Builder`. When the `EncryptionAtRestOptions.Builder#build()` is called immediately and its result is passed to a consumer that will call methods on `EncryptionAtRestOptions.Builder`. Returns a reference to this object so that method calls can be chained together.

```java
 EncryptionAtRestOptions encryptionAtRestOptions = EncryptionAtRestOptions.builder()
   .encryptionAtRestOptions(EncryptionAtRestOptions)
   .build();
```

Specifies the status of the `EncryptionAtRestOptions`. When the consumer completes, `EncryptionAtRestOptions.Builder#build()` is called immediately and its result is passed to a consumer that will call methods on `EncryptionAtRestOptions.Builder`. Returns a reference to this object so that method calls can be chained together.

```java
 EncryptionAtRestOptions encryptionAtRestOptions = EncryptionAtRestOptions.builder()
   .encryptionAtRestOptions(EncryptionAtRestOptions)
   .build();
```

Specifies the status of the `EncryptionAtRestOptions`. When the consumer completes, `EncryptionAtRestOptions.Builder#build()` is called immediately and its result is passed to a consumer that will call methods on `EncryptionAtRestOptions.Builder`. Returns a reference to this object so that method calls can be chained together.

```java
 EncryptionAtRestOptions encryptionAtRestOptions = EncryptionAtRestOptions.builder()
   .encryptionAtRestOptions(EncryptionAtRestOptions)
   .build();
```
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the<br /><code>EncryptionAtRestOptions</code>.</p>
@param encryptionAtRestOptions Specifies the status of the<br /><code>EncryptionAtRestOptions</code>.",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "encryptionAtRestOptions",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>",
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
"beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
"c2jName" : "NodeToNodeEncryptionOptions",
"c2jShape" : "NodeToNodeEncryptionOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
This is a convenience that creates an instance of the `NodeToNodeEncryptionOptions.Builder` avoiding the need to create one manually via `NodeToNodeEncryptionOptions#builder()`.

When the `Consumer` completes, `NodeToNodeEncryptionOptions.Builder#build()` is called immediately and its result is passed to `NodeToNodeEncryptionOptions(nodeToNodeEncryptionOptions)`.

A consumer that will call methods on `NodeToNodeEncryptionOptions.Builder`.

- `nodeToNodeEncryptionOptions` a consumer that will call methods on `NodeToNodeEncryptionOptions.Builder`.

@returns Returns a reference to this object so that method calls can be chained together.

See `NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)`.

### Documentation

- **Specifies the status of the `NodeToNodeEncryptionOptions`**.
- **Return Type**: `NodeToNodeEncryptionOptions`.
- **Documentation**: Specifies the status of the `NodeToNodeEncryptionOptions`.

---

@see `NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)`.
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the<br>
<code>NodeToNodeEncryptionOptions</code></p>
@param nodeToNodeEncryptionOptions Specifies the status of the<br>
<code>NodeToNodeEncryptionOptions</code></p>
"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the status of the<br>
<code>NodeToNodeEncryptionOptions</code></p>
@param nodeToNodeEncryptionOptions Specifies the status of the<br>
<code>NodeToNodeEncryptionOptions</code></p>",
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlnsSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the<br>
<code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the { @link Map&lt;String,String&gt;.Builder} avoiding the need to create one manually via { @link Map&lt;String,String&gt;#builder()}. When the { @link Consumer} completes, { @link Map&lt;String,String&gt;#builder()} is called immediately and its result is passed to { @link Map&lt;String,String&gt;#advancedOptions(Map&lt;String,String&gt;)}.
@n@param advancedOptions a consumer that will call methods on { @link Map&lt;String,String&gt;}.Builder#build()}.
@n@return Returns a reference to this object so that method calls can be chained together.
@n@see #advancedOptions(Map&lt;String,String&gt;)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the<br>
<code>AdvancedOptions</code></p>
@endp",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "advancedOptions",
"getterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Specifies the status of the <code>AdvancedOptions</code>",
"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
When the @link Consumer completes, @link String.Builder.build() is called immediately and its result is passed to @link #key(String).@param key a consumer that will call methods on @link String.Builder

@returns Returns a reference to this object so that method calls can be chained together.@see #key(String)

"deprecated" : false,
"documentation" : "",
"enumDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

@returns The value of the Key property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@method void setKey(String key)

A reference to this object so that method calls can be chained together.

\n\n"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
    "beanStyleGetterMethodName" : "getValue",
    "beanStyleSetterMethodName" : "setValue",
    "c2jName" : "value",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String#build() is called immediately and its result is passed to String.\n@method void value(String)

A reference to this object so that method calls can be chained together.\n@method String value()

A reference to this object so that method calls can be chained together.
",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@method void setValue(String value)

A reference to this object so that method calls can be chained together.
",
"deprecated" : false,
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.
\n@return The value of the Value property for this object.",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "value",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "value",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.
\n@\n@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
"variableName" : "value",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
}
",
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"敏感" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>
@param
advancedOptions Specifies the status of the <code>AdvancedOptions</code></p>",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>
} },
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>
} },
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
  "beanStyleSetterMethodName" : "setLogPublishingOptionsWithString",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
This is a convenience that creates an instance of the {
  String,LogPublishingOption>.Builder} avoiding the need to create one manually via {
  String,LogPublishingOption>#builder()}. When the {
  String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {
  String,LogPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}

@returns Returns a reference to this object so that method calls can be
chained together.

@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)

"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.</p>
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : "<p>Log publishing options for the given domain.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Log publishing options for the given domain.
",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {

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"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "LogType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()} .\\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)} .\\n@param key a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\\n@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\\nThe new value for the Key property for this object.\\n@return Returns a reference to this object so that method calls can be chained together.\\n@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\\nIf the service returns an enum value that is not available in the current SDK version, { @link #key} will return { @link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString}.\\n@return The value of the Key property for this object.\\n@see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the LogPublishingOption.Builder] avoiding the need to create one manually via LogPublishingOption#builder().\n\nWhen the Consumer completes, LogPublishingOption.Builder#build() is called immediately and its result is passed to LogPublishingOption.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel": {
  "returnType": "LogPublishingOption",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "value",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "value",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value"}
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>This is a convenience that creates an instance of the [ServiceSoftwareOptions.Builder] avoiding the need to create one manually via [ServiceSoftwareOptions#builder()].
When the [ServiceSoftwareOptions.Builder#build()] is called immediately and its result is passed to [ServiceSoftwareOptions(Consumer)] a consumer that will call methods on [ServiceSoftwareOptions.Builder]

@see #serviceSoftwareOptions(ServiceSoftwareOptions)

"deprecated" : false,
"documentation" : "The current status of the Elasticsearch domain's service software.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ServiceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch domain's service software.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)

"fluentSetterDocumentation" : "The current status of the Elasticsearch domain's service software.

getterDocumentation" : "The current status of the Elasticsearch domain's service software.

getterModel" : {
  "returnType" : "ServiceSoftwareOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ServiceSoftwareOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ServiceSoftwareOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.",
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>
},
"xmlNameSpaceUri" : null
}]
"membersAsMap" : {
  "ARN" : {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
"\nThis is a convenience that creates an instance of the {<a href="#link String.Builder"}) avoiding the need to create one manually via {<a href="#link String.Builder#build()"}. When the {<a href="#link Consumer") completes, {<a href="#link String.Builder#build()" is called immediately and its result is passed to {<a href="#link arn(String))". 
@param arn a consumer that will call methods on {<a href="#link String.Builder")\n@returns Returns a reference to this object so that method calls can be chained together.\n@see arn(String)"
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "The Amazon resource name (ARN) of an Elasticsearch domain. See <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/index.html?Using_Identifiers.html" target="_blank">Identifiers for IAM Entities</a> in <i>Using AWS Identity and Access Management</i> for more information.\n@returns Returns a reference to this object so that method calls can be chained together."
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ARN",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ARN",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,


"setterMethodName" : "setArn",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "arn",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "arn",
    "variableType" : "String",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"AccessPolicies" : {
    "beanStyleGetterMethodName" : "getAccessPolicies",
    "beanStyleSetterMethodName" : "setAccessPolicies",
    "c2jName" : "AccessPolicies",
    "c2jShape" : "PolicyDocument",
    "defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}\n\n@param accessPolicies a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #accessPolicies(String)",
    "deprecated" : false,
    "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param
accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel" : {

"returnType" : "String",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param
accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.</p>
@param
accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string.
"setterMethodName" : "setAccessPolicies",
"setterModel" : {

"variableDeclarationType" : "String",

"name" : "AccessPolicies",
"sensitive" : false,
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : "<p> IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the { @link
Map<String,String>.Builder} avoiding the need to create one manually via { @link
Map<String,String>#builder()}. When the { @link Consumer} completes, { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
#advancedOptions(Map<String,String>)}.

When the { @link Consumer} completes, { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
#advancedOptions(Map<String,String>)}. A parameter advancedOptions a consumer that will call methods on { @link
Map<String,String>.Builder} that returns a reference to this object so that method calls can be chained
together.

@see #advancedOptions(Map<String,String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>
Attempts to modify the collection returned by this method will result
in an UnsupportedOperationException.

@return Specifies the status of the
<code>AdvancedOptions</code></p>
@see #advancedOptions(Map<String,String>)",
"getterDocumentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>
Attempts to modify the collection returned by this method will result
in an UnsupportedOperationException.

@return Specifies the status of the
AdvancedOptions getterModel getterModel: {
  "returnType": "java.util.Map<String,String>",
  "documentation": null
}, http: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AdvancedOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AdvancedOptions",
  "uri": false
}, idempotencyToken: false,
isBinary: false,
jsonValue: false,
list: false,
listModel: null,
map: true,
mapModel: {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "String",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}. param key a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n@return The value of the Key property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setKey",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String"}
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #value(String)}.

@see #value(String)
@deprecated"
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.

The new value for the Value property for this object.
returns a reference to this object so that method calls can be chained together.
@see #value(String)
@getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"simple" : true,
"timeout" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@see The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
", "marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "\<p\>Specifies the status of the \<code\>AdvancedOptions\</code\>\</p\>\n@\param\nadvancedOptions Specifies the status of the \<code\>AdvancedOptions\</code\>",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "\<p\>Specifies the status of the \<code\>AdvancedOptions\</code\>\</p\>",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"xmlNamespaceUri" : null
},
"CognitoOptions" : {
  "beanStyleGetterMethodName" : "getCognitoOptions",
  "beanStyleSetterMethodName" : "setCognitoOptions",
  "c2jName" : "CognitoOptions",
  "c2jShape" : "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation" : "\<p\>The \<code\>CognitoOptions\</code\> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p\>\nThis is a convenience that creates an instance of the \{@link CognitoOptions.Builder\} avoiding the need to create one manually via \{@link CognitoOptions.Builder#build()\}. When the \{@link Consumer\} completes, \{@link CognitoOptions.Builder#build()\} is called immediately and its result is passed to \{@link CognitoOptionsBuilder\}\n@\param cognitoOptions a consumer that will call methods on \{@link CognitoOptionsBuilder\}\n@\return Returns a reference to this object so that method calls can be chained together.\n@see #cognitoOptions(CognitoOptions)",
  "deprecated" : false,
  "documentation" : "\<p\>The \<code\>CognitoOptions\</code\> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p\>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n\n@return The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

**Param: cognitoOptions**

The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html).

```
"setterDocumentation" : "<p>The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)Amazon Cognito Authentication for Kibana</a>.\n\n@param cognitoOptions The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)Amazon Cognito Authentication for Kibana</a>.\n\n"setterMethodName" : "setCognitoOptions",
"setterModel" : { 
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : { 
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)Amazon Cognito Authentication for Kibana</a>.\n\n"setterDocumentation" : "<p>The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)Amazon Cognito Authentication for Kibana</a>.\n\n"setterMethodName" : "setCognitoOptions",
"setterModel" : { 
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : { 
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>The `<code>CognitoOptions</code>` for the specified domain. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html)Amazon Cognito Authentication for Kibana</a>.\n\n"c2jName" : "Created",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The domain creation status. `<code>True</code>` if the creation of an Elasticsearch domain is complete. `<code>False</code>` if domain creation is still in progress.</p>\nThis is a convenience that creates an instance of the `{ @link Boolean.Builder }` avoiding the need to create one manually via `{ @link Boolean#builder() }`. When the `{ @link Consumer }` completes, `{ @link Boolean.Builder#build() }` is called immediately and its result is passed to `{ @link #created(Boolean) }`.\n\n@param created a consumer that will call methods on `{ @link Boolean.Builder }`\n@return Returns a reference to this object so that method calls can be chained together.\n@see #created(Boolean)"
"deprecated" : false,
"documentation" : "<p>The domain creation status. `<code>True</code>` if the creation of an Elasticsearch domain is complete. `<code>False</code>` if domain creation is still in progress.</p>\n\n"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n\n@param created
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "created",
"getterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n\n@return The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
"setterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
"setterMethodName" : "setCreated",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Created",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Created",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Created",
"sensitive" : false,
"setterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\n\n@param created
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
"setterMethodName" : "setCreated"
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": "<p>The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"Deleted": {
  "beanStyleGetterMethodName": "getDeleted",
  "beanStyleSetterMethodName": "setDeleted",
  "c2jName": "Deleted",
  "c2jShape": "Boolean",
  "defaultConsumerFluentSetterDocumentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned. </p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link deleted(Boolean)}.<br/>
@WARN@deleting a consumer that will call methods on {@link Boolean.Builder@return Returns a reference to this object so that method calls can be chained together.}@see deleted(Boolean)",
  "deprecated": false,
  "documentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned. </p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "deleted",
  "fluentSetterDocumentation": "<p>The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned. </p>"
}
deleted The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.

```
@return Returns a reference to this object so that method calls can be chained together.
```

```
"fluentSetterMethodName" : "deleted",
"getterDocumentation" : "<p>The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

@returns The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.
```

```
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Deleted",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Deleted",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"sensitive" : false,
"setterDocumentation" : "<p>The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.</p>

@returns The domain deletion status. `<code>True</code>` if a delete request has been received for the domain but resource cleanup is still in progress. `<code>False</code>` if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.
```

```
"setterMethodName" : "setDeleted",
```

```
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "deleted",
  "variableType" : "Boolean",
  "documentation" : "The domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"DomainId" : {
  "beanStyleGetterMethodName" : "getDomainId",
  "beanStyleSetterMethodName" : "setDomainId",
  "c2jName" : "DomainId",
  "c2jShape" : "DomainId",
  "defaultConsumerFluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainId(String)}.\n\n@param domainId a consumer that will call methods on { @link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainId(String)",
  "deprecated" : false,
  "documentation" : "The unique identifier for the specified Elasticsearch domain.",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainId",
  "fluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain.\n\n@see #domainId(String)\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "domainId",
  "getterDocumentation" : "The unique identifier for the specified Elasticsearch domain.\n\n@see #domainId(String)\n\n@return The unique identifier for the specified Elasticsearch domain."}
"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainId",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallType": "STRING",

"name": "DomainId",

"sensitive": false,

"setterDocumentation": "<p>The unique identifier for the specified Elasticsearch domain.<p>

@param domainId The unique identifier for the specified Elasticsearch domain.",

"setterMethodName": "setDomainId",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainId",
  "variableType": "String",
  "documentation": "<p>The unique identifier for the specified Elasticsearch domain.<p>"
The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

When the \( @\text{link} \) Consumer completes, \( @\text{link} \) String.Builder\( #\text{build()} \) is called immediately and its result is passed to \( @\text{link} \) DomainName(String). \n\n@\text{param} domainName a consumer that will call methods on \( @\text{link} \) String.Builder\n\n@\text{return} Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

"deprecated" : false,
"documentation" : "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@\text{return} Returns a reference to this object so that method calls can be chained together.

@see #domainName(String)

"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

@\text{return} The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>
@param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen)."

"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).</p>"
"simpleType" : "String",}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}.<br/>
@param ebsOptions a consumer that will call methods on {@link EBSOptions.Builder}<br/>
@return Returns a reference to this object so that method calls can be chained together.<br/>
@see #ebsOptions(EBSOptions)",
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterMethodName" : "ebsOptions",
@param ebsOptions The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.<br/>
@return Returns a reference to this object so that method calls can be chained together.",
@return The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
"getterModel" : {
"returnType" : "EBSOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
}
createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.</p>

"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"xmlnsNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultValueSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}.

When the { @link Consumer} completes, { @link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to { @link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)

"deprecated" : false,
"documentation" : "<p>The type and number of instances in the domain cluster.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances in the domain cluster.
@return Returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
 },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",}
"marshallLocationName": "ElasticsearchClusterConfig",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ElasticsearchClusterConfig",
"uri": false },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ElasticsearchClusterConfig",
"sensitive": false,
"setterDocumentation": "The type and number of instances in the domain cluster.\n\n@\nparam elasticsearchClusterConfig The type and number of instances in the domain cluster.\n",
"setterMethodName": "setElasticsearchClusterConfig",
"setterModel": {
"variableDeclarationType": "ElasticsearchClusterConfig",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfig",
"documentation": null,
"simpleType": "ElasticsearchClusterConfig",
"variableSetterType": "ElasticsearchClusterConfig"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "ElasticsearchClusterConfig",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfig",
"documentation": "The type and number of instances in the domain cluster.\n",
"simpleType": "ElasticsearchClusterConfig",
"variableSetterType": "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri": null
},
"ElasticsearchVersion": {
"beanStyleGetterMethodName": "getElasticsearchVersion",
"beanStyleSetterMethodName": "setElasticsearchVersion",
"c2jName": "ElasticsearchVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the ElasticsearchVersion property for this object manually via \n\{@link String.Builder\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link String#builder()\}.
"marshallingType": "SDK_POJO",
"name": "ElasticsearchVersion",
"sensitive": false,
"setterDocumentation": "The type and number of instances in the domain cluster.\n",
"setterMethodName": "setElasticsearchVersion",
"setterModel": {
"variableDeclarationType": "ElasticsearchVersion",
"variableName": "elasticsearchClusterConfig",
"variableType": "ElasticsearchClusterConfig",
"documentation": null,
"simpleType": "ElasticsearchClusterConfig",
"variableSetterType": "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri": null
}
#elasticsearchVersion(String)\n@param elasticsearchVersion a consumer that will call methods on [ @link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchVersion(String)
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchVersion",
  "fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.\n@n@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.\n@n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "elasticsearchVersion",
  "getterDocumentation" : "Returns the value of the ElasticsearchVersion property for this object.\n@return The value of the ElasticsearchVersion property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchVersion",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "ElasticsearchVersion",
  "sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.
",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"EncryptionAtRestOptions" : {
"beanStyleGetterMethodName" : "getEncryptionAtRestOptions",
"beanStyleSetterMethodName" : "setEncryptionAtRestOptions",
"c2jName" : "EncryptionAtRestOptions",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
This is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}

When the [@link Consumer] completes, [@link EncryptionAtRestOptions.Builder#build()] is called immediately and its result is passed to [@link #encryptionAtRestOptions(EncryptionAtRestOptions)]

@deprecated" : false,
"documentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "encryptionAtRestOptions",
"fluentSetterDocumentation" : "<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>."
chained together.

"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "\<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.
\</p\>\n@return Specifies the status of the
<code>EncryptionAtRestOptions</code>.
",
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"sensitive" : false,
"setterDocumentation" : "\<p> Specifies the status of the
<code>EncryptionAtRestOptions</code>.
\</p\>\n@param encryptionAtRestOptions Specifies the status of the
<code>EncryptionAtRestOptions</code>.
",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": "&lt;p&gt; Specifies the status of the &lt;code&gt;EncryptionAtRestOptions&lt;/code&gt;. &lt;/p&gt;",
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"xmlNameSpaceUri": null
},
"Endpoint": {
  "beanStyleGetterMethodName": "getEndpoint",
  "beanStyleSetterMethodName": "setEndpoint",
  "c2jName": "Endpoint",
  "c2jShape": "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation": "&lt;p&gt; The Elasticsearch domain endpoint that you use to submit index and search requests. &lt;/p&gt;
This is a convenience that creates an instance of the &lt;link String.Builder &gt; avoiding the need to create one manually via \{ @link String#builder() \}. \nWhen the &lt;link Consumer &gt; completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #endpoint(String) \}. \n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #endpoint(String)",
  "deprecated": false,
  "documentation": "&lt;p&gt; The Elasticsearch domain endpoint that you use to submit index and search requests.&lt;/p&gt;",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "endpoint",
  "fluentSetterDocumentation": "&lt;p&gt; The Elasticsearch domain endpoint that you use to submit index and search requests.&lt;/p&gt;
\n@see endpoint(String)",
  "fluentSetterMethodName": "endpoint",
  "getterDocumentation": "&lt;p&gt; The Elasticsearch domain endpoint that you use to submit index and search requests.\n@see #endpoint(String)"
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Endpoint",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Endpoint",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Endpoint",
"sensitive": false,
"setterDocumentation": "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>
@param endpoint The Elasticsearch domain endpoint that you use to submit index and search requests."
,"setterMethodName": "setEndpoint",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "endpoint",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Endpoints": {
  "beanStyleGetterMethodName": "getEndpoints",
  "beanStyleSetterMethodName": "setEndpoints",}
}
Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example `<code>key, value</code>`: `<code>'vpc','vpc-endpoint-h2bsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>`.

This is a convenience that creates an instance of the `{@link Map<String,String>.Builder}` avoiding the need to create one manually via `{@link Map<String,String>#builder()}`. When the `{@link Consumer}` completes, `{@link Map<String,String>.Builder#build()}` is called immediately and its result is passed to `{@link #endpoints(Map<String,String>)}`.

@deprecated

Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example `<code>key, value</code>`: `<code>'vpc','vpc-endpoint-h2bsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>`.

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`. The method requires a `{@link Map<String,String>}` as its sole parameter.

Returns a reference to this object so that method calls can be chained together.

Retrieves the Elasticsearch domain endpoints used to submit index and search requests. Example `<code>key, value</code>`: `<code>'vpc','vpc-endpoint-h2bsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>`.

The method is intended to be used as a fluent setter method for constructing a `Map<String,String>` containing Elasticsearch domain endpoints.

Returns a reference to this object so that method calls can be chained together.

Getter method for retrieving the Elasticsearch domain endpoints used to submit index and search requests. Example `<code>key, value</code>`: `<code>'vpc','vpc-endpoint-h2bsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>`.

The method returns a `Map<String,String>` containing the Elasticsearch domain endpoints.

Attempts to modify the collection returned by this method will result in an `UnsupportedOperationException`.

The method requires a `Map<String,String>` as its sole parameter and returns a reference to this object so that method calls can be chained together.
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Endpoints",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Endpoints",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.
This is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via
{\link String#builder()}.\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called
immediately and its result is passed to {\link #key(String)}.\n@param key a consumer that will call methods on
{\link String.Builder}\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThe new value for the Key property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object."
},
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the [ @link String.Builder ] avoiding the need to create one manually via [ @link String#builder() ]. When the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #value(String) ].
  
  @param value a consumer that will call methods on [ @link String.Builder ]

  @return Returns a reference to this object so that method calls can be chained together.

  @see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.

  @param value The new value for the Value property for this object.

  @return Returns a reference to this object so that method calls can be chained together. ",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.

  @return The value of the Value property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "value",
    "uri" : false
  },
  "idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, String>",
"templateType": "java.util.Map<String,String>"
},
"marshallingType": "MAP",
"name": "Endpoints",
"sensitive": false,
"setterDocumentation": "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.\n\n@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.",
"setterMethodName": "setEndpoints",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,String>",
  "variableName": "Endpoints",
  "variableType": "java.util.Map<String,String>",
  "documentation": null,
  "simpleType": "java.util.Map<String,String>",
  "variableSetterType": "java.util.Map<String,String>"}
"documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example: key, value: ‘vpc’, ‘vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com’.",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example: key, value: ‘vpc’, ‘vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com’.",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>",
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
  "beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
  "beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
  "c2jName" : "LogPublishingOptions",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "Log publishing options for the given domain.\nThis is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}.\nWhen the {@link Consumer} completes, {@link Map<String,LogPublishingOption>#builder()} is called immediately and its result is passed to {@link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}.
@param logPublishingOptions a consumer that will call methods on {@link Map<String,LogPublishingOption>.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "deprecated" : false,
  "documentation" : "Log publishing options for the given domain.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return Log publishing options for the given domain.\n@see LogPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "logPublishingOptions",
  "fluentEnumSetterMethodName" : "logPublishingOptions",
  "fluentGetterMethodName" : "logPublishingOptionsAsStrings",
  "fluentSetterDocumentation" : "Log publishing options for the given domain.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return Log publishing options for the given domain.\n@see LogPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
  "getterDocumentation" : "Log publishing options for the given domain.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return Log publishing options for the given domain.",
  "getterModel" : {"simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"}
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object. This
is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via
{ @link String.Builder#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called
immediately and its result is passed to { @link String#builder(String)}. @param key a consumer that will call
methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained
together.@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key";
}
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object. @param key The new value for the Key property for this object. @return Returns a reference to this object so that method calls can be chained together. @see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object. If the service returns an enum value that is not available in the current SDK version, @link #key will return @link LogType#UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from @link #keyAsString. @return The value of the Key property for this object. @see LogType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"setterDocumentation" : "Sets the value of the Key property for this object. @param key The new value for the Key property for this object. @see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType": "String",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
  "beanStyleGetterMethodName": "getValue",
  "beanStyleSetterMethodName": "setValue",
  "c2jName": "value",
  "c2jShape": "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \n{@link LogPublishingOption.Builder} avoiding the need to create one manually via \n{@link LogPublishingOption#builder()}. When the \n{@link Consumer} completes, \n{@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to \n{@link LogPublishingOption}.
@param value a consumer that will call methods on \n{@link LogPublishingOption.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(LogPublishingOption)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "value",
  "fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName": "value",
  "getterDocumentation": "Returns the value of the Value property for this object.\n@return The value of the Value property for this object."
  "getterModel": {
    "returnType": "LogPublishingOption",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
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"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
],
"eventType" : "Map.Entry<String, LogPublishingOption>",

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"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Log publishing options for the given domain.</p>@param logPublishingOptions Log publishing options for the given domain.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Log publishing options for the given domain.</p>

"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
This is a convenience that creates an instance of the { @link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link NodeToNodeEncryptionOptions#builder()}. When the { @link Consumer} completes, { @link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to { @link NodeToNodeEncryptionOptions(BuilderInterface)}. @param nodeToNodeEncryptionOptions a consumer that will call methods on { @link NodeToNodeEncryptionOptions.Builder}.@return Returns a reference to this object so that method calls can be chained together.@see NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)";
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"flucentEnumGetterMethodName" : null,
"flucentEnumSetterMethodName" : null,
"flucentGetterMethodName" : "nodeToNodeEncryptionOptions",
"flucentSetterDocumentation" : "\n<p>Specifies the status of the
\n@param nodeToNodeEncryptionOptions Specifies the status of the
\n@return Returns a reference to this object so that method calls can be chained together.
\n\</p>",
"flucentSetterMethodName" : "nodeToNodeEncryptionOptions",
"getterDocumentation" : "\n<p>Specifies the status of the
\n@param nodeToNodeEncryptionOptions Specifies the status of the
\n@return Specifies the status of the
\n</code>NodeToNodeEncryptionOptions</code>.
\n\</param nodeToNodeEncryptionOptions Specifies the status of the
\n\n@return Specifies the status of the
\n</code>NodeToNodeEncryptionOptions</code>.
\n\</return nodeToNodeEncryptionOptions>
\n"getterModel" : {
"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
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"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NodeToNodeEncryptionOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NodeToNodeEncryptionOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "NodeToNodeEncryptionOptions",
"sensitive" : false,
"setterDocumentation" : "\n<p>Specifies the status of the
\n@param nodeToNodeEncryptionOptions Specifies the status of the
\n@return Specifies the status of the
\n</code>NodeToNodeEncryptionOptions</code>.
\n\</param nodeToNodeEncryptionOptions Specifies the status of the
\n\n@setter nodeToNodeEncryptionOptions Specifies the status of the
\n\n\</setter>NodeToNodeEncryptionOptions</setter>
\n\</return nodeToNodeEncryptionOptions>
\n"setterMethodName" : "setNodeToNodeEncryptionOptions",
"setterModel" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"setterMethodType" : "TYPE",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "nodeToNodeEncryptionOptions",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"Processing" : {
"beanStyleGetterMethodName" : "getProcessing",
"beanStyleSetterMethodName" : "setProcessing",
"c2jName" : "Processing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration.
<code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}.<p>When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link
Boolean.Builder}@param processing a consumer that will call methods on { @link
Boolean.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #processing(Boolean)
,"
"deprecated" : false,
"documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "processing",
"fluentSetterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.
@see #processing(Boolean)
,"
"getterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is
return The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

```
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"documentation" : null
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"additionalUnmarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Processing",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Processing",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active. <code>param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

"setterMethodName" : "setProcessing",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "processing",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "The status of the Elasticsearch domain configuration. \n  True if Amazon Elasticsearch Service is processing configuration changes. \n  False if the configuration is active."
},
"xmlNameSpaceUri" : null
},
"ServiceSoftwareOptions" : {
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultValueConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch domain's service software.
This is a convenience that creates an instance of the \n{@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via \n{@link ServiceSoftwareOptions.Builder#builder()}.\n
When the \n{@link Consumer} completes, \n{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to \n{@link #serviceSoftwareOptions(ServiceSoftwareOptions)}.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)
@param serviceSoftwareOptions a consumer that will call methods on \n{@link ServiceSoftwareOptions.Builder} \n@return Returns a reference to this object so that method calls can be chained together.
@see #serviceSoftwareOptions(ServiceSoftwareOptions)"
,   "deprecated" : false,
  "documentation" : "The current status of the Elasticsearch domain's service software.
This is a convenience that creates an instance of the \n{@link ServiceSoftwareOptions.Builder} avoiding the need to create one manually via \n{@link ServiceSoftwareOptions.Builder#builder()}.\n
When the \n{@link Consumer} completes, \n{@link ServiceSoftwareOptions.Builder#build()} is called immediately and its result is passed to \n{@link #serviceSoftwareOptions(ServiceSoftwareOptions)}.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)
@param serviceSoftwareOptions a consumer that will call methods on \n{@link ServiceSoftwareOptions.Builder} \n@return Returns a reference to this object so that method calls can be chained together.
@see #serviceSoftwareOptions(ServiceSoftwareOptions)

The current status of the Elasticsearch domain's service software.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)

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The current status of the Elasticsearch domain's service software.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)

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The current status of the Elasticsearch domain's service software.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)

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The current status of the Elasticsearch domain's service software.

@see #serviceSoftwareOptions(ServiceSoftwareOptions)
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ServiceSoftwareOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ServiceSoftwareOptions",
"uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "ServiceSoftwareOptions",
"sensitive": false,
"setterDocumentation": "<p>The current status of the Elasticsearch domain's service software.</p>
@param
serviceSoftwareOptions The current status of the Elasticsearch domain's service software.",
"setterMethodName": "setServiceSoftwareOptions",
"setterModel": {
    "variableDeclarationType": "ServiceSoftwareOptions",
    "variableName": "serviceSoftwareOptions",
    "variableType": "ServiceSoftwareOptions",
    "documentation": null,
    "simpleType": "ServiceSoftwareOptions",
    "variableSetterType": "ServiceSoftwareOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "ServiceSoftwareOptions",
    "variableName": "serviceSoftwareOptions",
    "variableType": "ServiceSoftwareOptions",
    "documentation": "<p>The current status of the Elasticsearch domain's service software.</p>",
    "simpleType": "ServiceSoftwareOptions",
    "variableSetterType": "ServiceSoftwareOptions"
},
"xmlNameSpaceUri": null
}

"SnapshotOptions": {
    "beanStyleGetterMethodName": "getSnapshotOptions",
    "beanStyleSetterMethodName": "setSnapshotOptions",
    "c2jName": "SnapshotOptions",
    "c2jShape": "SnapshotOptions"
<p>Specifies the status of the <code>SnapshotOptions</code></p>

This is a convenience that creates an instance of the <code>SnapshotOptions.Builder</code> avoiding the need to create one manually via <code>SnapshotOptions#builder()</code>. When the consumer completes, <code>SnapshotOptions.Builder#build()</code> is called immediately and its result is passed to <code>SnapshotOptions(SnapshotOptions)</code>.

@see <code>SnapshotOptions(SnapshotOptions)</code>

### succinctName
<code>defaultConsumerFluentSetterDocumentation</code>

<p>Specifies the status of the <code>SnapshotOptions</code></p>

- <code>defaultConsumerFluentSetterDocumentation</code>
- <code>defaultEndpointDiscoveryId</code>
- <code>defaultEnumType</code>
- <code>defaultEventHeader</code>
- <code>defaultEventPayload</code>
- <code>defaultFluentEnumGetterMethodName</code>
- <code>defaultFluentEnumSetterMethodName</code>
- <code>defaultFluentGetterMethodName</code>
- <code>defaultFluentSetterDocumentation</code>
- <code>defaultFluentSetterMethodName</code>
- <code>defaultGetterDocumentation</code>
- <code>defaultGetterModel</code>
- <code>defaultHttp</code>
- <code>defaultIdempotencyToken</code>
- <code>defaultIsBinary</code>
- <code>defaultJsonValue</code>
- <code>defaultList</code>
- <code>defaultListModel</code>

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"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>.
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "snapshotOptions",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Specifies the status of the <code>SnapshotOptions</code></p>
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"UpgradeProcessing" : {
"beanStyleGetterMethodName" : "getUpgradeProcessing",
"beanStyleSetterMethodName" : "setUpgradeProcessing",
"c2jName" : "UpgradeProcessing",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.</p>\n\nThis is a convenience that creates an instance of the { @link Boolean.Builder} 
avoiding the need to create one manually via { @link Boolean.Builder#builder()}. \n\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link 
upgradeProcessing(\nboolean upgradeProcessing)\n@\nparam upgradeProcessing a consumer that will call methods on { @link 
Boolean.Builder\n@\nreturn Returns a reference to this object so that method calls can be chained together.\n@\nsee #upgradeProcessing(\nboolean upgradeProcessing))\n"deprecated" : false,
"documentation" : "<p>The status of an Elasticsearch domain version upgrade. 
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. 
<code>False</code> if the configuration is active.</p>\n\nThis is a convenience that creates an instance of the { @link Boolean.Builder} 
avoiding the need to create one manually via { @link Boolean.Builder#builder()}. \n\nWhen the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link 
upgradeProcessing(\nboolean upgradeProcessing)\n@\nparam upgradeProcessing a consumer that will call methods on { @link 
Boolean.Builder\n@\nreturn Returns a reference to this object so that method calls can be chained together.\n@\nsee #upgradeProcessing(\nboolean upgradeProcessing))
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeProcessing",
"fluentSetterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade.
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
@param upgradeProcessing The status of an Elasticsearch domain version upgrade.
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

.googlecode() @return Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
@return The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.
",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeProcessing",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeProcessing",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"sensitive" : false,
"setterDocumentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.</p>
@param upgradeProcessing The status of an Elasticsearch domain version upgrade.
<code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

.googlecode() @return Returns a reference to this object so that method calls can be chained together.
"
configuration is active.

setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : "<p>The status of an Elasticsearch domain version upgrade. <code>True</code> if
Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is
active.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"VPCOptions" : {
  "beanStyleGetterMethodName" : "getVpcOptions",
  "beanStyleSetterMethodName" : "setVpcOptions",
  "c2jName" : "VPCOptions",
  "c2jShape" : "VPCDerivedInfo",
  "defaultConsumerFluentSetterDocumentation" : "<p>The <code>VPCOptions</code> for the specified
domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html"
 target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

This is a convenience that creates an instance of the <a href="#VPCDerivedInfo.Builder" target="_blank">VPCDerivedInfo.Builder</a>
avoiding the need to create one manually via <a href="#VPCDerivedInfo.Builder#build()" target="_blank">VPCDerivedInfo.Builder#build()</a>. When the <a href="#Consumer" target="_blank">Consumer</a> completes, <a href="#VPCDerivedInfo.Builder#build()" target="_blank">VPCDerivedInfo.Builder#build()</a> is called immediately and its result is passed to <a href="#vpcOptions(VPCDerivedInfo)" target="_blank">vpcOptions(VPCDerivedInfo)</a>. Returns a reference to this object so that method calls can be chained
together.<a href="#vpcOptions(VPCDerivedInfo)" target="_blank">vpcOptions(VPCDerivedInfo)</a> "
  "deprecated" : false,
  "documentation" : "<p>The <code>VPCOptions</code> for the specified domain. For more information, see
<a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html"
 target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName": "vpcOptions",
"fluentSetterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<br/>
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<br/>
@return Returns a reference to this object so that method calls can be chained together.
</p>",
"fluentSetterMethodName": "vpcOptions",
"getterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<br/>
@return The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<br/>
</p>",
"getterModel": {
"returnType": "VPCDerivedInfo",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "VPCOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "VPCOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "VPCOptions",
"sensitive": false,
"setterDocumentation": "<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<br/>
@param vpcOptions The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.<br/>
</p>"
<code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.

"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : 
  "The <code>VPCOptions</code> for the specified domain. For more information, see
  "p>
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainId",
  "beanStyleSetterMethodName" : "setDomainId",
  "c2jName" : "DomainId",
  "c2jShape" : "DomainId",
  "defaultValueConsumerFluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain.
  "p">
  "deprecated" : false,
  "documentation" : "The unique identifier for the specified Elasticsearch domain."p",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainId",
  "fluentSetterDocumentation" : "The unique identifier for the specified Elasticsearch domain."p"\n  @param
domainId The unique identifier for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainId",
"getterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@return The unique identifier for the specified Elasticsearch domain.",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainId",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainId",
"setterDocumentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>
@param domainId The unique identifier for the specified Elasticsearch domain.",

"setterMethodName" : "setDomainId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainId",
  "variableType" : "String",
  "documentation" : "<p>The unique identifier for the specified Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\nThis is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #domainName(String)].\n\n@see #domainName(String)",
"deprecated" : false,
"documentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n\n@endparam domainName\n\n@see #domainName(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n@endparam domainName\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
"getterDocumentation" : "<p>The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n@endparam domainName\n\n@return The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).\n\n@see #domainName(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).

```
@Param domainName The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
```

```

```

```
The name of an Elasticsearch domain. Domain names are unique across the domains owned by an account within an AWS region. Domain names start with a letter or number and can contain the following characters: a-z (lowercase), 0-9, and - (hyphen).
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ARN",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ARN",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
", "setterMethodName" : "setArn",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"variableDeclarationType" : "String",
"variableName" : "arn",
"variableType" : "String",
",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getCreated",
"beanStyleSetterMethodName" : "setCreated",
"c2jName" : "Created",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\
"This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to create one manually via { @link Boolean#builder() }. When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link Boolean#create(Boolean) }.

@see #created(Boolean)
@deprecated"
"documentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "created",
"fluentSetterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\

@see #created(Boolean)
@deprecated"
"getterDocumentation" : "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.\

"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {

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"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Created",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Created",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "created",
"sensitive": false,
"setterDocumentation": "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
@param created
The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress.
"setterMethodName": "setCreated",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "created",
  "variableType": "Boolean",
  "documentation": "The domain creation status. <code>True</code> if the creation of an Elasticsearch domain is complete. <code>False</code> if domain creation is still in progress."
"simpleType": "Boolean",
"variableSetterType": "Boolean"
"xmlNameSpaceUri" : null,
}

"beanStyleGetterMethodName" : "getDeleted",
"beanStyleSetterMethodName" : "setDeleted",
"c2jName" : "Deleted",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "\nThe domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.<p>This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}. When the { @link Consumer} completes, { @link BooleanBuilder#build()} is called immediately and its result is passed to { @link #deleted(Boolean)}.\n\n@param deleted a consumer that will call methods on { @link Boolean.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #deleted(Boolean)",
"deprecated" : false,
"documentation" : "\nThe domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.\n\n\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "deleted",
"fluentSetterMethodName" : "deleted",
"fluentSetterDocumentation" : "\nThe domain deletion status. <code>True</code> if a delete request has been received for the domain but resource cleanup is still in progress. <code>False</code> if the domain has not been deleted. Once domain deletion is complete, the status of the domain is no longer returned.\n\n\nreturn\n\ngetters can be chained together.\n\n@see #deleted(Boolean)",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
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"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Deleted",
"marshallLocationName" : "Deleted",
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Deleted",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>

When the Consumer is called, it is immediately passed to endpoint(String) and a reference is returned to the object and method calls can be chained together.

@see endpoint(String)

"deprecated" : false,

"documentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.

@endpoint

Return a reference to this object so that method calls can be chained together.

@see endpoint(String)

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "endpoint",

"fluentSetterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.</p>

@endpoint

Return a reference to this object so that method calls can be chained together.

@see endpoint(String)

"fluentSetterMethodName" : "endpoint",

"getterDocumentation" : "<p>The Elasticsearch domain endpoint that you use to submit index and search requests.

@getter

Return a reference to this object so that method calls can be chained together.

@see endpoint(String)

"getterModel" : {

"returnType" : "String",

"documentation" : null

}

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "endpoint",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "endpoint",

"uri" : false
"setterMethodName" : "setEndpoint",
"setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "endpoint",
        "variableType" : "String",
        "documentation" : null,
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "endpoint",
        "variableType" : "String",
        "documentation" : "The Elasticsearch domain endpoint that you use to submit index and search requests.",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "xmlnsNameSpaceUri" : null,
},
"beanStyleGetterMethodName" : "getEndpoints",
"beanStyleSetterMethodName" : "setEndpoints",
"c2jName" : "Endpoints",
"c2jShape" : "EndpointsMap",
"defaultConsumerFluentSetterDocumentation" : "Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc',vpc-endpoint-h2dsd34efgygtuk5gt6j2fob4.us-east-1.es.amazonaws.com'</code>.

This is a convenience that creates an instance of the { @link Map<String,String> Builder} avoiding the need to create one manually via { @link Map<String,String> #builder()}. When the { @link Consumer} completes, { @link Map<String,String> #endpoints(Map<String,String>)} is called immediately and its result is passed to { @link Map #endpoints(Map<String,String>)}. @return Returns a reference to this object so that method calls can be chained
Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example:

```java
<code>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc','vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.<p@return>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

```
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #key(String)}.\n\n@param key a consumer that will call methods on { @link String.Builder}\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nSets the value of the Key property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@param key The new value for the Key property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\n@returns The value of the Key property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"mar
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@defgroup @param key The new value for the Key property for this object. \\

"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "ServiceUrl",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#value(String)}. \\

@defgroup @param value a consumer that will call methods on
{@link String.Builder}\n@returns a reference to this object so that method calls can be chained
together.\n\n@see #value(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.\n\n@returns The value of the Value property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@returns The new
value for the Value property for this object.

"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "Endpoints",
"sensitive" : false,
"setterDocumentation" : "<p>Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgryhrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.</p>
@param endpoints Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example <code>key, value</code>: <code>'vpc', 'vpc-endpoint-h2dsd34efgryhrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'</code>.

"setterMethodName" : "setEndpoints",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "endpoints",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>"
},
Map containing the Elasticsearch domain endpoints used to submit index and search requests. Example

```
key, value:
'vpc',
'vpc-endpoint-h2dsd34efgyghrtguk5gt6j2foh4.us-east-1.es.amazonaws.com'
```

Example:
```
Map<String,String>
```

Java:
```
java.util.Map<String,String>
```

The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

This is a convenience that creates an instance of the [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api) avoiding the need to create one manually via [Boolean#builder()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api).


```
<br@param processing a consumer that will call methods on [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
@return Returns a reference to this object so that method calls can be chained together.

@see [Boolean.Builder#build()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
```

Deprecated:
```
false,
```

The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

```
true
```

```
false
```

```
null
```

```
false
```

```
null
```

```
null
```

```
null
```

```
"fluentSetterDocumenta" tion": ": "&lt;\p&gt;The status of the Elasticsearch domain configuration. &lt;\code&gt;True&lt;/code&gt; if Amazon Elasticsearch Service is processing configuration changes. &lt;\code&gt;False&lt;/code&gt; if the configuration is active.&lt;/p&gt;

This is a convenience that creates an instance of the [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api) avoiding the need to create one manually via [Boolean#builder()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api).


```
<br@param processing a consumer that will call methods on [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
@return Returns a reference to this object so that method calls can be chained together.

@see [Boolean.Builder#build()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
```

Deprecated:
```
false,
```

The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

```
true
```

```
false
```

```
null
```

```
false
```

```
null
```

```
null
```

```
"fluentSetterDocumenta" tion": ": "&lt;\p&gt;The status of the Elasticsearch domain configuration. &lt;\code&gt;True&lt;/code&gt; if Amazon Elasticsearch Service is processing configuration changes. &lt;\code&gt;False&lt;/code&gt; if the configuration is active.&lt;/p&gt;

This is a convenience that creates an instance of the [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api) avoiding the need to create one manually via [Boolean#builder()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api).


```
<br@param processing a consumer that will call methods on [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
@return Returns a reference to this object so that method calls can be chained together.

@see [Boolean.Builder#build()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
```

Deprecated:
```
false,
```

The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

```
true
```

```
false
```

```
null
```

```
false
```

```
null
```

```
null
```

```
"fluentSetterDocumenta" tion": ": "&lt;\p&gt;The status of the Elasticsearch domain configuration. &lt;\code&gt;True&lt;/code&gt; if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

This is a convenience that creates an instance of the [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api) avoiding the need to create one manually via [Boolean#builder()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api).


```
<br@param processing a consumer that will call methods on [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
@return Returns a reference to this object so that method calls can be chained together.

@see [Boolean.Builder#build()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
```

Deprecated:
```
false,
```

The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

```
true
```

```
false
```

```
null
```

```
false
```

```
null
```

```
null
```

```
"fluentSetterDocumenta" tion": ": "&lt;\p&gt;The status of the Elasticsearch domain configuration. &lt;\code&gt;True&lt;/code&gt; if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

This is a convenience that creates an instance of the [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api) avoiding the need to create one manually via [Boolean#builder()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api).


```
<br@param processing a consumer that will call methods on [Boolean.Builder](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
@return Returns a reference to this object so that method calls can be chained together.

@see [Boolean.Builder#build()](https://docs.aws.amazon.com/AmazonElasticsearchDomainService/latest/ElasticsearchDomainGuide/whats-new-changes.html#aws-api)
```

Deprecated:
```
false,
```

The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.

```
true
```

```
false
```

```
null
```

```
false
```

```
null
```

```
null
```
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Processing",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Processing",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Processing",
"敏感" : false,
"setterDocumentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>
@param processing The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.",
"setterMethodName" : "setProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "processing",
  "variableType" : "Boolean",
  "documentation" : "<p>The status of the Elasticsearch domain configuration. <code>True</code> if Amazon Elasticsearch Service is processing configuration changes. <code>False</code> if the configuration is active.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
The status of an Elasticsearch domain version upgrade. if Amazon Elasticsearch Service is undergoing a version upgrade. if the configuration is active.

This is a convenience that creates an instance of the `Boolean.Builder` avoiding the need to create one manually via `Boolean.builder()`. When the `Consumer` completes, `Boolean.Builder.build()` is called immediately and its result is passed to `#upgradeProcessing(Boolean)`. A reference to this object so that method calls can be chained together.

Returns a reference to this object so that method calls can be chained together.

The status of an Elasticsearch domain version upgrade. if Amazon Elasticsearch Service is undergoing a version upgrade. if the configuration is active.

The status of an Elasticsearch domain version upgrade. if Amazon Elasticsearch Service is undergoing a version upgrade. if the configuration is active.

The status of an Elasticsearch domain version upgrade. if Amazon Elasticsearch Service is undergoing a version upgrade. if the configuration is active.

The status of an Elasticsearch domain version upgrade. if Amazon Elasticsearch Service is undergoing a version upgrade. if the configuration is active.

The status of an Elasticsearch domain version upgrade. if Amazon Elasticsearch Service is undergoing a version upgrade. if the configuration is active.
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeProcessing",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"map" : false,
"mapModel" : null,
"marshallType" : "BOOLEAN",
"name" : "UpgradeProcessing",
"sensitive" : false,
"setterDocumentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active.

@param upgradeProcessing The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active."

"setterMethodName" : "setUpgradeProcessing",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "upgradeProcessing",
  "variableType" : "Boolean",
  "documentation" : "The status of an Elasticsearch domain version upgrade. <code>True</code> if Amazon Elasticsearch Service is undergoing a version upgrade. <code>False</code> if the configuration is active."
},
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getElasticsearchVersion",
"beanStyleSetterMethodName" : "setElasticsearchVersion",
"c2jName" : "ElasticsearchVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersion property for this
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`.

When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `elasticsearchVersion(String)`.

```java
@Param elasticsearchVersion a consumer that will call methods on `String.Builder`.
@Return Returns a reference to this object so that method calls can be chained together.

@See #elasticsearchVersion(String)
```

### Properties

- **deprecated**: false
- **documentation**: "",
- **endpointDiscoveryId**: false,
- **enumType**: null,
- **eventHeader**: false,
- **eventPayload**: false,
- **fluentEnumGetterMethodName**: "null",
- **fluentEnumSetterMethodName**: "null",
- **fluentGetterMethodName**: "elasticsearchVersion",
- **fluentSetterDocumentation**: "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.

@Return Returns a reference to this object so that method calls can be chained together."

- **getterDocumentation**: "Returns the value of the ElasticsearchVersion property for this object.

@Return The value of the ElasticsearchVersion property for this object."

- **getterModel**: {
  "returnType": "String",
  "documentation": null
}

- **http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchVersion",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchVersion",
  "uri": false
}

- **idempotencyToken**: false,
- **isBinary**: false,
- **jsonValue**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersion property for this object.

@param elasticsearchVersion The new value for the ElasticsearchVersion property for this object.",

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "\n<p>The type and number of instances in the domain cluster.</p>
This is a convenience that creates an instance of the { @link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via { @link ElasticsearchClusterConfig#builder()}.\n\nWhen the { @link Consumer} completes, { @link ElasticsearchClusterClusterConfig.Builder#build()} is called immediately and its result is passed to { @link ElasticsearchClusterClusterConfig#elasticsearchClusterConfig(ElasticsearchClusterConfig)}.
\n@deprecated
\n@param elasticsearchClusterConfig a consumer that will call methods on { @link ElasticsearchClusterClusterConfig.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchClusterConfig(ElasticsearchClusterClusterConfig)",

"documentation" : "\n<p>The type and number of instances in the domain cluster.</p>\n"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchClusterConfig",
"fluentSetterDocumentation" : "\n<p>The type and number of instances in the domain cluster.</p>\n"
elasticsearchClusterConfig The type and number of instances in the domain cluster.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>

@return The type and number of instances in the domain cluster.

"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "ElasticsearchClusterConfig",

"setterDocumentation" : "<p>The type and number of instances in the domain cluster.</p>

@param elasticsearchClusterConfig The type and number of instances in the domain cluster.

"setterMethodName" : "setElasticsearchClusterConfig",

"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},

"simple" : false,

"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "The type and number of instances in the domain cluster."},
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"},
"xmlNameSpaceUri" : null
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
This is a convenience that creates an instance of the <code>EBSOptions.Builder</code> avoiding the need to create one manually via <code>EBSOptions.Builder#build()</code>. When the <code>Consumer</code> completes, <code>EBSOptions.Builder#build()</code> is called immediately and its result is passed to <code>EBSOptions.Builder.EBSOptions(Consumer)</code>.<p>
@see #ebsOptions(EBSOptions)
@deprecated
@returns Returns a reference to this object so that method calls can be chained together.


"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethod" : "ebsOptions",


"returns Returns a reference to this object so that method calls can be chained together.

"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : "The type and number of instances in the domain cluster."}
"getterModel" : {
    "returnType" : "EBSOptions",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "EBSOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "EBSOptions",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "SDK_POJO",
  "name" : "EBSOptions",
  "sensitive" : false,

  @param ebsOptions The <code>EBSOptions</code> for the specified domain. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-ebs" target="_blank">Configuring EBS-based Storage</a> for more information.",
  "setterMethodName" : "setEbsOptions",
  "setterModel" : {
    "variableDeclarationType" : "EBSOptions",
    "variableName" : "ebsOptions",
    "variableType" : "EBSOptions",
    "documentation" : null,
    "simpleType" : "EBSOptions",
    "variableSetterType" : "EBSOptions"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "getterModel" : 
    "returnType" : "EBSOptions",
    "docum...
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : "The EBSOptions for the specified domain. See [Configuring EBS-based Storage](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-crea-
domain-configure-ebs.html) for more information.",
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to accessPolicies a consumer that will call methods on String.Builder@ see accessPolicies(String)",
"deprecated" : false,
"documentation" : "IAM access policy as a JSON-formatted string.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "IAM access policy as a JSON-formatted string.
"http" : {"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AccessPolicies",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AccessPolicies",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt; IAM access policy as a JSON-formatted string.&lt;/p&gt;\n@param accessPolicies
IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "&lt;p&gt; IAM access policy as a JSON-formatted string.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies the status of the
&lt;code&gt;SnapshotOptions&lt;/code&gt;&lt;/p&gt;\nThis is a convenience that creates an instance of the [@link
SnapshotOptions.Builder] avoiding the need to create one manually via [@link
When the `@link Consumer` completes, `@link SnapshotOptions.Builder#build()` is called immediately and its result is passed to `@link SnapshotOptions(SnapshotOptions)`.

@return Returns a reference to this object so that method calls can be chained together.

@see #snapshotOptions(SnapshotOptions)
"name": "SnapshotOptions",
"sensitive": false,
"setterDocumentation": "\n<p>Specifies the status of the <code>SnapshotOptions</code></p>
@param snapshotOptions Specifies the status of the <code>SnapshotOptions</code>",
"setterMethodName": "setSnapshotOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": "\n<p>Specifies the status of the <code>SnapshotOptions</code></p>",
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": "\n<p>Specifies the status of the <code>SnapshotOptions</code></p>",
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getVpcOptions",
"beanStyleSetterMethodName": "setVpcOptions",
"c2jName": "VPCOptions",
"c2jShape": "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation": "\n<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a></p><\n\nThis is a convenience that creates an instance of the [ @link VPCDerivedInfo.Builder] avoiding the need to create one manually via [ @link VPCDerivedInfo#builder]. When the [ @link Consumer] completes, [ @link VPCDerivedInfo.Builder#build] is called immediately and its result is passed to [ @link VpcOptions(VPCDerivedInfo)].\n@\n@param vpcOptions a consumer that will call methods on [ @link VPCDerivedInfo.Builder]\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #vpcOptions(VPCDerivedInfo)",
"deprecated": false,
"documentation": "\n<p>The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a></p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "vpcOptions",
"fluentSetterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>. \n@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "vpcOptions",
"getterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
@return The <code>VPCOptions</code> for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
","getterModel": {
  "returnType": "VPCDerivedInfo",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "VPCOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VPCOptions",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "VPCOptions",
"sensitive": false,
"setterDocumentation": "The <code>VPCOptions</code> for the specified domain. For more information, see &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.
@param vpcOptions The
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "vpcOptions",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "The <code>VPCOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlnsSpaceUri" : null,
},
"beanStyleGetterMethodName" : "getCognitoOptions",
"beanStyleSetterMethodName" : "setCognitoOptions",
"c2jName" : "CognitoOptions",
"c2jShape" : "CognitoOptions",

This is a convenience that creates an instance of the { @link CognitoOptions.Builder} avoiding the need to create one manually via { @link CognitoOptions.Builder#builder()}.\n\nWhen the { @link Consumer} completes, { @link CognitoOptions.Builder#build()} is called immediately and its result is passed to { @link CognitoOptions(CognitoOptions)\n\n@see #cognitoOptions(CognitoOptions)\n\n@deprecated\n\n"documentation" : "The <code>CognitoOptions</code> for the specified domain. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodId" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "The \code{CognitoOptions} for the specified domain. For more information, see \url{http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html} Amazon Cognito Authentication for Kibana\n.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "The \code{CognitoOptions} for the specified domain. For more information, see \url{http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html} Amazon Cognito Authentication for Kibana\n.\n\n@return The \code{CognitoOptions} for the specified domain. For more information, see \url{http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html} Amazon Cognito Authentication for Kibana\n.\n",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "The \code{CognitoOptions} for the specified domain. For more information, see \url{http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html} Amazon Cognito Authentication for Kibana\n.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n"
Amazon Cognito Authentication for Kibana

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


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CognitoOptions</code> for the specified domain. For more information, see


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CognitoOptions</code> for the specified domain. For more information, see


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@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


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@code
CognitoOptions</code> for the specified domain. For more information, see


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@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.

@code
CognitoOptions</code> for the specified domain. For more information, see


Amazon Cognito Authentication for Kibana</a>.
"fluentSetterDocumentation" : "<p>Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
@param encryptionAtRestOptions Specifies the status of the
<code>EncryptionAtRestOptions</code>
@return Returns a reference to this object so that method calls can be
chained together.",
"fluentSetterMethodName" : "encryptionAtRestOptions",
"getterDocumentation" : "<p>Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
@return Specifies the status of the
<code>EncryptionAtRestOptions</code>",
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EncryptionAtRestOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EncryptionAtRestOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EncryptionAtRestOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the
<code>EncryptionAtRestOptions</code>.</p>
@param encryptionAtRestOptions Specifies the status of the
<code>EncryptionAtRestOptions</code>
@return Specifies the status of the
<code>EncryptionAtRestOptions</code>",
"setterMethodName" : "setEncryptionAtRestOptions",
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : null,
"simpleType" : "EncryptionAtRestOptions"
"variableSetterType" : "EncryptionAtRestOptions",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "encryptionAtRestOptions",
"variableType" : "EncryptionAtRestOptions",
"documentation" : "<p> Specifies the status of the <code>EncryptionAtRestOptions</code>.</p>",
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getNodeToNodeEncryptionOptions",
  "beanStyleSetterMethodName" : "setNodeToNodeEncryptionOptions",
  "c2jName" : "NodeToNodeEncryptionOptions",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
This is a convenience that creates an instance of the { @link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link NodeToNodeEncryptionOptions#builder()}. When the { @link Consumer} completes, { @link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to { @link NodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)}. @param nodeToNodeEncryptionOptions a consumer that will call methods on { @link NodeToNodeEncryptionOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.@see
#nodeToNodeEncryptionOptions(NodeToNodeEncryptionOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventoHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nodeToNodeEncryptionOptions",
  "fluentSetterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
@return Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.@return Returns a reference to this object so that method calls can be chained together.".,
  "fluentSetterMethodName" : "nodeToNodeEncryptionOptions",
  "getterDocumentation" : "<p>Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.</p>
@return Specifies the status of the <code>NodeToNodeEncryptionOptions</code>.",
  "getterModel" : {
    "returnType" : "NodeToNodeEncryptionOptions",
    "documentation" : null
  }
}
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "NodeToNodeEncryptionOptions",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "NodeToNodeEncryptionOptions",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "NodeToNodeEncryptionOptions",
"sensitive": false,
"setterDocumentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status
of the <code>NodeToNodeEncryptionOptions</code>.",
"setterMethodName": "setNodeToNodeEncryptionOptions",
"setterModel": {
    "variableDeclarationType": "NodeToNodeEncryptionOptions",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptions",
    "documentation": null,
    "simpleType": "NodeToNodeEncryptionOptions",
    "variableSetterType": "NodeToNodeEncryptionOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "NodeToNodeEncryptionOptions",
    "variableName": "nodeToNodeEncryptionOptions",
    "variableType": "NodeToNodeEncryptionOptions",
    "documentation": "<p>Specifies the status of the
<code>NodeToNodeEncryptionOptions</code>.</p>
@param nodeToNodeEncryptionOptions Specifies the status
of the <code>NodeToNodeEncryptionOptions</code>.",
"simpleType": "NodeToNodeEncryptionOptions",
"variableSetterType": "NodeToNodeEncryptionOptions"
},
"xmlns:NameSpaceUri" : null
}, {
    "beanStyleGetterMethodName" : "getAdvancedOptions",
    "beanStyleSetterMethodName" : "setAdvancedOptions",
    "c2jName" : "AdvancedOptions",
    "c2jShape" : "AdvancedOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the
<code>AdvancedOptions</code></p>
This is a convenience that creates an instance of the { @link
Map<String,String>.Builder } avoiding the need to create one manually via { @link
Map<String,String>#builder()}.
When the { @link Consumer } completes, { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
advancedOptions(Map<String,String>)}.

When the Consumer completes, the { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
advancedOptions(Map<String,String>)}. This is a convenience that creates an instance of the { @link
Map<String,String>.Builder } avoiding the need to create one manually via { @link
Map<String,String>#builder()}.

When the @return parameter completes, { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
advancedOptions(Map<String,String>)}.

When the Consumer completes, the { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
advancedOptions(Map<String,String>)}. This is a convenience that creates an instance of the { @link
Map<String,String>.Builder } avoiding the need to create one manually via { @link
Map<String,String>#builder()}.

When the Consumer completes, the { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
advancedOptions(Map<String,String>)}. This is a convenience that creates an instance of the { @link
Map<String,String>.Builder } avoiding the need to create one manually via { @link
Map<String,String>#builder()}.

When the Consumer completes, the { @link
Map<String,String>.Builder#build()} is called immediately and its result is passed to { @link
advancedOptions(Map<String,String>)}. This is a convenience that creates an instance of the { @link
Map<String,String>.Builder } avoiding the need to create one manually via { @link
Map<String,String>#builder()}.
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultValue" : null,
    "defaultConstructor" : true,
    "defaultSetterFluentDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.

When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #key(String) \}.

@param key a consumer that will call methods on \{ @link String.Builder \} \n\n@return Returns a reference to this object so that method calls can be chained together.

@see #key(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see #key(String)",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.

@return The value of the Key property for this object.

@see #key(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "implementedHandlers" : [],
    "implType" : "java.net.HttpURLConnection",
    "interfaceType" : "java.net.HttpURLConnection",
    "messageId" : null,
    "method" : "GET",
    "requestBody" : null,
    "requestBodyContentType" : null,
    "requestBodyParameters" : null,
    "responseBodyContentType" : null,
    "responseBodyParameters" : null,
    "responseSerializer" : null,
    "returnType" : "java.net.HttpURLConnection",
    "serializationType" : "JAXB",
    "skipAuthentication" : false,
    "skipValidation" : false,
    "url" : "",
    "useEntityInputStream" : true,
    "useResponseContent" : true,
    "version" : "1.0"
  }
}
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value"}
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String.Builder#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #value(String)\}.\n@see #value(String)\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(String)\n"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for the Value property for this object.\n@see #value(String)\n@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Returns the value of the Value property for this object.\n@see #value(String)\n@return The value of the Value property for this object.\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object. @param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>@param advancedOptions Specifies the status of the <code>AdvancedOptions</code>",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",

---

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"variableName" : "advancedOptions",
"variableType" : "java.util.Map<String,String>",
"documentation" : "<p>Specifies the status of the <code>AdvancedOptions</code></p>",
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
},
"xmlNameSpaceUri" : null
],
{"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : ""<p>Log publishing options for the given domain.</p>
This is a convenience that creates an instance of the { @link Map<String,LogPublishingOption>}.Builder avoiding the need to create one manually via { @link Map<String,LogPublishingOption>#builder()}. When the { @link Consumer} completes, { @link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to { @link LogPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}.

@see LogPublishingOptionsWithStrings
@return Returns a reference to this object so that method calls can be chained together.
",  
"deprecated" : false,
"documentation" : "<p>Log publishing options for the given domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Log publishing options for the given domain.
@param logPublishingOptions Log publishing options for the given domain.
@return Returns a reference to this object so that method calls can be chained together.
",  

"getterDocumentation" : "<p>Log publishing options for the given domain.
<@see LogPublishingOptionsWithStrings(Map<String,LogPublishingOption>)}
",  
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKeyAsString",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "LogType",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the {
@link String.Builder} avoiding the need to create one manually via {
@link String#builder()}. When the {
@link Consumer} completes, {
@link String.Builder#build()} is called immediately and its result is passed to {
@link #keyAsString(String)}.

@see LogType

@return Returns a reference to this object so that method calls can be chained together.
@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.

The new value for the Key property for this object.@see LogType
@see LogType

@return Returns a reference to this object so that method calls can be chained together.
@see LogType",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.

If the service returns an enum value that is not available in the current SDK version, {
@link #key} will return {
@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {
@link #keyAsString}."

@see LogType

@return The value of the Key property for this object.@see LogType",
"getterModel" : {
"returnType" : "String",}
"documentation" : null
",
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "key",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "key",
   "uri" : false 
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "key",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
"xmlns:NameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This
  is a convenience that creates an instance of the {link LogPublishingOption.Builder} avoiding the need to create
  one manually via {link LogPublishingOption#builder()}. When the {link Consumer} completes, {link
  LogPublishingOption.Builder#build()} is called immediately and its result is passed to {link
  LogPublishingOption}. param value a consumer that will call methods on {link
  LogPublishingOption.Builder} returns a reference to this object so that method calls can be chained
  together.
  @see #value(LogPublishingOption)

  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.
  The new value for the Value property for this object.
  @return Returns a reference to this object so that method calls can be chained together.

  "fluentSetterMethodname" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.
  The value of the Value property for this object.
  @return The value of the Value property for this object.

  "getterModel" : {
    "returnType" : "LogPublishingOption",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "value",
    "queryString" : false,
    "statusCode" : false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@\n\n@param value The new value for the Value property for this object.\n",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},
"marshallingType": "MAP",
"name": "LogPublishingOptions",
"sensitive": false,
"setterDocumentation": "Log publishing options for the given domain.\n\n@param logPublishingOptions Log publishing options for the given domain."
,"setterMethodName": "setLogPublishingOptionsWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>",
  "variableName": "logPublishingOptions"
}
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>Log publishing options for the given domain.</p>",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>

This is a convenience that creates an instance of the { @link ServiceSoftwareOptions.Builder } avoiding the need to create one manually via { @link ServiceSoftwareOptions#builder() }. When the { @link Consumer } completes, { @link ServiceSoftwareOptions.Builder#build() } is called immediately and its result is passed to { @link ServiceSoftwareOptions(ServiceSoftwareOptions) }. When the Consumer completes, the { @link ServiceSoftwareOptions.Builder#build() } is called immediately and its result is passed to { @link ServiceSoftwareOptions(ServiceSoftwareOptions) }.

\param serviceSoftwareOptions a consumer that will call methods on { @link ServiceSoftwareOptions.Builder } to return a reference to this object so that method calls can be chained together.\see #serviceSoftwareOptions(ServiceSoftwareOptions)",
  "deprecated" : false,
  "documentation" : "<p>The current status of the Elasticsearch domain's service software.</p>",
  "endpointDiscoveryId" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "serviceSoftwareOptions",
  "fluentSetterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>\n@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "serviceSoftwareOptions",
  "getterDocumentation" : "<p>The current status of the Elasticsearch domain's service software.</p>\n@return The current status of the Elasticsearch domain's service software.",
  "getterModel" : {
    "returnType" : "ServiceSoftwareOptions",
    "documentation" : null
  },
  "http" : {
    "variableType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null,
    "simpleType" : "Map<String,LogPublishingOption>",
    "simple" : false,
    "timestampFormat" : null,
    "variable" : {
      "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
      "variableName" : "logPublishingOptions",
      "variableType" : "java.util.Map<String,LogPublishingOption>",
      "documentation" : "<p>Log publishing options for the given domain.</p>",
      "simpleType" : "Map<String,LogPublishingOption>",
      "variableSetterType" : "java.util.Map<String,LogPublishingOption>
    },
    "xmlNameSpaceUri" : null
  }}
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
" sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The current status of the Elasticsearch domain's service software.&lt;/p&gt;\n\n@param serviceSoftwareOptions The current status of the Elasticsearch domain's service software.&lt;/p&gt;\n
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "&lt;p&gt;The current status of the Elasticsearch domain's service software.&lt;/p&gt;",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["DomainId", "DomainName", "ARN", "ElasticsearchClusterConfig" ],
"shapeName": "ElasticsearchDomainStatus",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "ElasticsearchDomainStatus",
  "variableName": "elasticsearchDomainStatus",
  "variableType": "ElasticsearchDomainStatus",
  "documentation": null,
  "simpleType": "ElasticsearchDomainStatus",
  "variableSetterType": "ElasticsearchDomainStatus"
},
"wrapper": false
},
"ElasticsearchVersionStatus": {
  "c2jName": "ElasticsearchVersionStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "marshaller": null,
  "members": [{
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Elasticsearch version for the specified
Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding
the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #options(String)},

@param options a consumer that will call methods on {@link String.Builder} on return Returns a reference to this object so that method calls can be chained together.

@see #options(String)
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p>Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "options",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "options",
    "variableType": "String",
    "documentation": "<p>Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus.Builder#build()} and passed to {@link #status(OptionStatus)}.
@param status a consumer that will call methods on {@link OptionStatus.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
"deprecated": false,
"documentation": "<p>Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "<p>Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain."
Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluuentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>

@<param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. 

"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>

@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. 

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"Options" : {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.
When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #options(String) }.
@param options a consumer that will call methods on { @link String.Builder }
@return Returns a reference to this object so that method calls can be chained together.
@see #options(String)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "options",
  "getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain.
@see #options(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
  }
<p>Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>

```java
// GetterMethodName: getOptions
// SetterMethodName: setOptions

// VariableDeclarationType: String
// VariableName: options
// VariableType: String
// Documentation: Specifies the Elasticsearch version for the specified Elasticsearch domain.
// SimpleType: String
// VariableSetterType: String
```

```xml
<Status>
    <beanStyleGetterMethodName>getStatus</beanStyleGetterMethodName>
    <beanStyleSetterMethodName>setStatus</beanStyleSetterMethodName>
    <c2jName>Status</c2jName>
</Status>
```
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p><p>This is a convenience that creates an instance of the [@link OptionStatus.Builder] avoiding the need to create one manually via [@link OptionStatus#builder()]. When the [@link Consumer] completes, [@link OptionStatus.Builder#build()] is called immediately and its result is passed to [@link status(OptionStatus)].

@see #status(OptionStatus)

@deprecated

@documentation" : " <p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",

"deprecated" : false,

"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@param status a consumer that will call methods on [@link OptionStatus.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",

"deprecated" : false,

"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@param status a consumer that will call methods on [@link OptionStatus.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",

"deprecated" : false,

"documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. ",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #options(String)}. @param options a consumer that will call methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #options(String)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain. </p>
",
  "endpointDiscoveryId" : false,
  "enumType" : null,
}
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@return Specifies the Elasticsearch version for the specified Elasticsearch domain.",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>
@param options Specifies the Elasticsearch version for the specified Elasticsearch domain.
"setterMethodName" : "setOptions",
"setterModel" : { 
"variableDeclarationType" : "String",
"variableName" : "options",
"variableType" : "String"}
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "options",
"variableType": "String",
"documentation": "<p> Specifies the Elasticsearch version for the specified Elasticsearch domain.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlnsSpaceUri": null
],
{
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. This is a convenience that creates an instance of the OptionStatus.Builder avoiding the need to create one manually via OptionStatus.builder(). When the [ @link OptionStatus.Builder] completes, OptionStatus.Builder.build() is called immediately and its result is passed to [ @link status(OptionStatus)], param status a consumer that will call methods on OptionStatus.Builder\n@return Returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"deprecated": false,
"documentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterMethodName": "status",
"fluentSetterDocumentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName": "status",
"getterDocumentation": "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n@return Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain.\n",}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"queryString" : false,
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"setterDocumentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>
@docs
@param status Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain."
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Elasticsearch version options for the specified Elasticsearch domain. </p>"
},
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
null

"simpleMethod" : false,
"marshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ElasticsearchVersionStatus",
  "variableName" : "elasticsearchVersionStatus",
  "variableType" : "ElasticsearchVersionStatus",
  "documentation" : null,
  "simpleType" : "ElasticsearchVersionStatus",
  "variableSetterType" : "ElasticsearchVersionStatus"
},
"wrapper" : false
},
"EncryptionAtRestOptions" : {
  "c2jName" : "EncryptionAtRestOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Specifies the Encryption At Rest Options.<p>
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getEnabled",
    "beanStyleSetterMethodName" : "setEnabled",
    "xmlNameSpaceUri" : null
  ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : [ "Options", "Status" ],
  "shapeName" : "ElasticsearchVersionStatus",
  "simpleMethod" : false,
  "unmarshaller" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
    "variableDeclarationType" : "ElasticsearchVersionStatus",
    "variableName" : "elasticsearchVersionStatus",
    "variableType" : "ElasticsearchVersionStatus",
    "documentation" : null,
    "simpleType" : "ElasticsearchVersionStatus",
    "variableSetterType" : "ElasticsearchVersionStatus"
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}.\n\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}.\n\n@param enabled a consumer that will call methods on {@link Boolean.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #enabled(Boolean)",
"deprecated" : false,
"documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>\n@param enabled Specifies the option to enable Encryption At Rest.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>\n\n@return Specifies the option to enable Encryption At Rest."

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"sensitive": false,
"setterDocumentation": "<p>Specifies the option to enable Encryption At Rest.
@param enabled
Specifies the option to enable Encryption At Rest.
</p>\n@method enabled
Specifies the option to enable Encryption At Rest.
",
"setterMethodName": "setEnabled",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": "<p>Specifies the option to enable Encryption At Rest.</p>
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null,
"
"beanStyleGetterMethodName": "getKmsKeyId",
"beanStyleSetterMethodName": "setKmsKeyId",
"c2jName": "KmsKeyId",
"c2jShape": "KmsKeyId",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.
@method kmsKeyId
Specifies the KMS Key ID for Encryption At Rest options.
</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}.
When the {@link Consumer} completes, {@link String.Builder} is called immediately and its result is passed to {@link #kmsKeyId(String)}.
@param kmsKeyId a consumer that will call methods on {@link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #kmsKeyId(String)",
"deprecated": false,
"documentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventId": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "kmsKeyId",
"fluentSetterDocumentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.
</p>\n@method kmsKeyId
Specifies the KMS Key ID for Encryption At Rest options.
"
kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "kmsKeyId",
"getterDocumentation": "<p> Specifies the KMS Key ID for Encryption At Rest options. </p>

@return Specifies the KMS Key ID for Encryption At Rest options. ".

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "KmsKeyId",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "KmsKeyId",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "KmsKeyId",
"sensitive": false,
"setterDocumentation": "<p> Specifies the KMS Key ID for Encryption At Rest options. </p>

@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options. ".

"setterMethodName": "setKmsKeyId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}

"membersAsMap": {
  "Enabled": {
    "beanStyleGetterMethodName": "getEnabled",
    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the option to enable Encryption At Rest.<p>
    "http": {
      "additionalMarshallingPath": null,
      "additionalUnmarshallingPath": null,
      "flattened": false,
      "greedy": false,
      "header": false,
      "isPayload": false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p><p><param enabled
Specifies the option to enable Encryption At Rest.
</param>
"setterMethodName" : "setEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
    "variableType" : "Boolean",
    "documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"KmsKeyId" : {
    "beanStyleGetterMethodName" : "getKmsKeyId",
    "beanStyleSetterMethodName" : "setKmsKeyId",
    "c2jName" : "KmsKeyId",
    "c2jShape" : "KmsKeyId",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the KMS Key ID for Encryption At Rest</p>
"specifies the option to enable Encryption At Rest."}
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}. When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link kmsKeyId(String)\}. @param kmsKeyId a consumer that will call methods on \{@link String.Builder\}@return Returns a reference to this object so that method calls can be chained together.@see #kmsKeyId(String)". 

"documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "kmsKeyId",
"fluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "kmsKeyId",
"getterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@return Specifies the KMS Key ID for Encryption At Rest options.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING"}
"name": "KmsKeyId",
"sensitive": false,
"setterDocumentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName": "setKmsKeyId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "kmsKeyId",
  "variableType": "String",
  "documentation": "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null}

"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getEnabled",
    "beanStyleSetterMethodName": "setEnabled",
    "c2jName": "Enabled",
    "c2jShape": "Boolean",
    "defaultConsumerFluentSetterDocumentation": "<p> Specifies the option to enable Encryption At Rest.<p></p>
This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}. When the { @link Consumer} completes, { @link Boolean.Builder#build()} is called immediately and its result is passed to { @link #enabled(Boolean)}. Returns a reference to this object so that method calls can be chained together."
  },
  {
    "deprecated": false,
    "documentation": "<p> Specifies the option to enable Encryption At Rest. </p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "enabled",
    "fluentSetterDocumentation": "<p> Specifies the option to enable Encryption At Rest. </p>
@param enabled Enables Encryption At Rest.
@see #enable(Boolean)",
    "simple": true,
    "timestampFormat": null,
    "variable": {
      "variableDeclarationType": "String",
      "variableName": "enabled",
      "variableType": "String",
      "documentation": "<p> Specifies the option to enable Encryption At Rest.
@see #disable(Boolean)",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
  }
]
can be chained together.

"getterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@return Specifies the option to enable Encryption At Rest.",

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,

"marshallType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,

"setterDocumentation" : "<p>Specifies the option to enable Encryption At Rest.</p>
@param enabled Specifies the option to enable Encryption At Rest.",

"setterMethodName" : "setEnabled",

"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : "<p>Specifies the option to enable Encryption At Rest.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlnsSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getKmsKeyId",
"beanStyleSetterMethodName" : "setKmsKeyId",
"c2jName" : "KmsKeyId",
"c2jShape" : "KmsKeyId",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, it is called immediately and its result is passed to {@link #kmsKeyId(String)}.

When the {@link #kmsKeyId(String)} is called immediately and its result is passed to {@link #kmsKeyId(String)}.
@param kmsKeyId a consumer that will call methods on {
@link String.Builder} avoiding the need to create one manually via {
@link String.Builder}. When the {
@link Consumer} completes, it is called immediately and its result is passed to {
@link KmsKeyId(String)}.
@return Returns a reference to this object so that method calls can be chained together.
@see #kmsKeyId(String)",
"deprecated" : false,
"documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "kmsKeyId",
"fluentSetterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.
@return Returns a reference to this object so that method calls can be chained together.
@see #kmsKeyId(String)",
"fluentSetterMethodName" : "kmsKeyId",
"getterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@see #kmsKeyId(String)",
"getterModel" : { 
"returnType" : "String",
"documentation" : null
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD", 
"marshallLocationClass" : null,
"name" : "KmsKeyId",
"simpleType" : "String",
"type" : "String"
}
"marshallLocationName" : "KmsKeyId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "KmsKeyId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "KmsKeyId",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>
@param kmsKeyId Specifies the KMS Key ID for Encryption At Rest options.",
"setterMethodName" : "setKmsKeyId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "kmsKeyId",
  "variableType" : "String",
  "documentation" : "<p> Specifies the KMS Key ID for Encryption At Rest options.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "EncryptionAtRestOptions",
"simpleMethod" : false,
"unmarshallAll" : {
  "flattened" : false,
  "resultWrapper" : null
}.}
"variable": {
  "variableDeclarationType": "EncryptionAtRestOptions",
  "variableName": "encryptionAtRestOptions",
  "variableType": "EncryptionAtRestOptions",
  "documentation": null,
  "simpleType": "EncryptionAtRestOptions",
  "variableSetterType": "EncryptionAtRestOptions"
},
"wrapper": false
},
"EncryptionAtRestOptionsStatus": {
  "c2jName": "EncryptionAtRestOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshallaler": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    {
      "beanStyleGetterMethodName": "getOptions",
      "beanStyleSetterMethodName": "setOptions",
      "c2jName": "Options",
      "c2jShape": "EncryptionAtRestOptions",
      "defaultConsumerFluentSetterDocumentation": "<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the \{@link EncryptionAtRestOptions.Builder\} avoiding the need to create one manually via \{@link EncryptionAtRestOptions#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link EncryptionAtRestOptions.Builder#build()\} is called immediately and its result is passed to \{@link #options(EncryptionAtRestOptions)\}.\n@see #options(EncryptionAtRestOptions)\n\n@deprecated\n\n@documentation": "<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterMethodName" : null,
"getterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
@param options Specifies the Encryption At Rest options for the specified Elasticsearch
@param @return Returns a reference to this object so that method calls can be chained together."
"getterSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
@return Specifies the Encryption At Rest options for the specified Elasticsearch domain."
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain."
"setterSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
@return Specifies the Encryption At Rest options for the specified Elasticsearch domain."
"setterModel" : {
"variableDeclarationType" : "EncryptionAtRestOptions",}
"variableName": "options",
"variableType": "EncryptionAtRestOptions",
"documentation": null,
"simpleType": "EncryptionAtRestOptions",
"variableSetterType": "EncryptionAtRestOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "EncryptionAtRestOptions",
"variableName": "options",
"variableType": "EncryptionAtRestOptions",
"documentation": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
"simpleType": "EncryptionAtRestOptions",
"variableSetterType": "EncryptionAtRestOptions"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getStatus",
"beanStyleSetterMethodName": "setStatus",
"c2jName": "Status",
"c2jShape": "OptionStatus",
"defaultConsumerFluentSetterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"deprecated": false,
"documentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"getterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"getterModel": {
"returnType": "OptionStatus",
"getterName": "status",
"getterReturnType": "OptionStatus",
"getterSetterMethodName": null,
"getterSetterDocumentation": null,
"getterSetterType": null
},
"setterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"setterModel": {
"returnType": "OptionStatus",
"setterName": "status",
"setterReturnType": "OptionStatus",
"setterSetterMethodName": null,
"setterSetterDocumentation": null,
"setterSetterType": null
},
"type": "EncryptionAtRestOptions",
"variableDoc": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterDoc": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterModel": {
"returnType": "OptionStatus",
"setterName": "status",
"setterReturnType": "OptionStatus",
"setterSetterMethodName": null,
"setterSetterDocumentation": null,
"setterSetterType": null
},
"variableDoc": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterDoc": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterModel": {
"returnType": "OptionStatus",
"setterName": "status",
"setterReturnType": "OptionStatus",
"setterSetterMethodName": null,
"setterSetterDocumentation": null,
"setterSetterType": null
},
"variableDoc": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterDoc": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterModel": {
"returnType": "OptionStatus",
"setterName": "status",
"setterReturnType": "OptionStatus",
"setterSetterMethodName": null,
"setterSetterDocumentation": null,
"setterSetterType": null
},
"variableDoc": "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterDoc": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link OptionStatus.Builder} returns a reference to this object so that method calls can be chained together. See #status(OptionStatus)",
"variableSetterModel": {
"returnType": "OptionStatus",
"setterName": "status",
"setterReturnType": "OptionStatus",
"setterSetterMethodName": null,
"setterSetterDocumentation": null,
"setterSetterType": null
}
Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.

```
{

"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
}

"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>",
}
```
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
]
,"xmlNameSpaceUri" : null
}

"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "EncryptionAtRestOptions",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"

This is a convenience that creates an instance of the {@link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via {@link EncryptionAtRestOptions#builder()}. When the {@link Consumer} completes, a consumer that will call methods on a reference to this object so that method calls can be chained together.

@see #options(EncryptionAtRestOptions)",
"deprecated" : false,
"documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"

@see #options(EncryptionAtRestOptions)",
"getterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>"

@return Specifies the Encryption At Rest options for the specified Elasticsearch domain.
"getterModel" : {
"returnType" : "EncryptionAtRestOptions",
"documentation" : null
}
,"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD"
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>
@param options Specifies the Encryption At Rest options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptions",
  "variableName" : "options",
  "variableType" : "EncryptionAtRestOptions",
  "documentation" : "<p>Specifies the Encryption At Rest options for the specified Elasticsearch domain.</p>",
  "simpleType" : "EncryptionAtRestOptions",
  "variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the
{@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to
{@link #status(OptionStatus)}. @param status a consumer that will call methods on
{@link OptionStatus.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)

"deprecated": false,
"documentation": "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch
domain.</p> ",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "status",
"fluentSetterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified
Elasticsearch domain.</p>
@param status Specifies the status of the Encryption At Rest options for the specified
Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.”,
"fluentSetterMethodName": "status",
"getterDocumentation": "<p> Specifies the status of the Encryption At Rest options for the specified
Elasticsearch domain. 

@return Specifies the status of the Encryption At Rest options for the specified
Elasticsearch domain. 

getterModel": {
"returnType": "OptionStatus",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Status",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "Status",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "EncryptionAtRestOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link EncryptionAtRestOptions.Builder} avoiding the need to create one manually via { @link EncryptionAtRestOptions#builder()}. When the { @link Consumer} completes, { @link EncryptionAtRestOptions.Builder#build()} is called immediately and its result is passed to { @link #options(EncryptionAtRestOptions)}. Returns a reference to this object so that method calls can be chained together.
@see #options(EncryptionAtRestOptions)
" deprecated" : false,
"documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"variableSetterType" : "EncryptionAtRestOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EncryptionAtRestOptions",
"variableName" : "options",
"variableType" : "EncryptionAtRestOptions",
"documentation" : "<p> Specifies the Encryption At Rest options for the specified Elasticsearch domain. </p>",
"simpleType" : "EncryptionAtRestOptions",
"variableSetterType" : "EncryptionAtRestOptions"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder } avoiding the need to create one manually via { @link OptionStatus#builder() }. When the { @link Consumer } completes, { @link OptionStatus.Builder#build() } is called immediately and its result is passed to { @link #status(OptionStatus) }. When a consumer that will call methods on { @link OptionStatus.Builder } @return Returns a reference to this object so that method calls can be chained together. @see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain. </p>
@return Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain."
,"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of the Encryption At Rest options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "EncryptionAtRestOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "EncryptionAtRestOptionsStatus",
  "variableName" : "encryptionAtRestOptionsStatus",
  "variableType" : "EncryptionAtRestOptionsStatus",
  "documentation" : null,
  "simpleType" : "EncryptionAtRestOptionsStatus",
  "variableSetterType" : "EncryptionAtRestOptionsStatus"
},
"wrapper" : false
},
"GetCompatibleElasticsearchVersionsRequest" : {
  "c2jName" : "GetCompatibleElasticsearchVersionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for request parameters to <code><a>GetCompatibleElasticsearchVersions</a></code> operation. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "GetCompatibleElasticsearchVersions",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/compatibleVersions",
    "target" : null,
  },
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "GetCompatibleElasticsearchVersions",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/compatibleVersions",
    "target" : null,
  },
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "GetCompatibleElasticsearchVersions",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/compatibleVersions",
    "target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.
When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.

@param domainName a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object.

@Parameters
  @param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.

  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "Returns the value of the DomainName property for this object.

@Parameters
  @return The value of the DomainName property for this object.

  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "domainName",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "domainName",
    "uri" : false
}
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```
{"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object.\n@param domainName
The new value for the DomainName property for this object.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "DomainName": {
    "beanStyleGetterMethodName": "getDomainName",
    "beanStyleSetterMethodName": "setDomainName",
    "c2jName": "DomainName",
    "c2jShape": "DomainName",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String.Builder().\nWhen the \n{@link Consumer\ncomplexes, \n{@link
String.Builder#build()}\nis called immediately and its result is passed to \n{@link DomainName(String)}\n@domainName a consumer that will call methods on \n{@link String.Builder\nreturn Returns a reference to this object so that method calls can be chained together.\n@see \nDomainName(String))",
  "deprecated": false,
  "documentation": "",
}
```
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "domainName",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "domainName",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setDomainName",
"setterModel" : {
   "variableDeclarationType" : "String"
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].
@param domainName a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object so that method calls can be chained together."
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object."
"getterModel" : {
"returnType" : "String",
"documentation" : null
The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

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@ param domainName

The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

@ param domainName

The new value for the DomainName property for this object.

@ param domainName
"xmlNameSpaceUri" : null

"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "GetCompatibleElasticsearchVersionsRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
    "variableDeclarationType" : "GetCompatibleElasticsearchVersionsRequest",
    "variableName" : "getCompatibleElasticsearchVersionsRequest",
    "variableType" : "GetCompatibleElasticsearchVersionsRequest",
    "documentation" : null,
    "simpleType" : "GetCompatibleElasticsearchVersionsRequest",
    "variableSetterType" : "GetCompatibleElasticsearchVersionsRequest"
},
"wrapper" : false

"GetCompatibleElasticsearchVersionsResponse" : {
    "c2jName" : "GetCompatibleElasticsearchVersionsResponse",
    "customization" : {
        "artificialResultWrapper" : null,
        "skipGeneratingMarshaller" : false,
        "skipGeneratingModelClass" : false,
        "skipGeneratingUnmarshaller" : false,
        "staxTargetDepthOffset" : 0
    },
    "deprecated" : false,
    "documentation" : "Container for response returned by \"GetCompatibleElasticsearchVersions\" operation. \"",
    "endpointDiscovery" : null,
    "enums" : null,
    "errorCode" : null,
    "event" : false,
    "eventStream" : false,
    "explicitEventPayloadMember" : null,
    "hasHeaderMember" : false,
    "hasPayloadMember" : false,
    "hasStatusCodeMember" : false,
    "hasStreamingMember" : false,
    "httpStatusCode" : null,
    "marshaller" : null,
    "marshallер" : null,
    "members" : [
        "beanStyleGetterMethodName" : "getCompatibleElasticsearchVersions",
        "beanStyleSetterMethodName" : "setCompatibleElasticsearchVersions",
        "c2jName" : "CompatibleElasticsearchVersions",
        "c2jShape" : "CompatibleElasticsearchVersionsList",
        "defaultConsumerFluentSetterDocumentation" : "A map of compatible Elasticsearch versions returned as
part of the `<code>`GetCompatibleElasticsearchVersions</code>` operation. This is a convenience that creates an instance of the `@link List<CompatibleVersionsMap>.Builder` avoiding the need to create one manually via `@link List<CompatibleVersionsMap>#builder()`. When the `@link Consumer` completes, `@link List<CompatibleVersionsMap>.Builder#build()` is called immediately and its result is passed to `@link compatibleElasticsearchVersions(List<CompatibleVersionsMap>)`. `@param compatibleElasticsearchVersions` a consumer that will call methods on `@link List<CompatibleVersionsMap>.Builder` return Returns a reference to this object so that method calls can be chained together. `@see #compatibleElasticsearchVersions(List<CompatibleVersionsMap>)`.

  "deprecated" : false,
  "documentation" : "A map of compatible Elasticsearch versions returned as part of the `<code>`GetCompatibleElasticsearchVersions</code>` operation."

  <a>GetCompatibleElasticsearchVersions</a> <code>operation. </code>"
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "compatibleElasticsearchVersions",
  "fluentSetterDocumentation" : "A map of compatible Elasticsearch versions returned as part of the `<code>`GetCompatibleElasticsearchVersions</code>` operation."

  <a>GetCompatibleElasticsearchVersions</a> <code>operation. </code>"
  "compatibleElasticsearchVersions" a map of compatible Elasticsearch versions returned as part of the `<code>`GetCompatibleElasticsearchVersions</code>` operation.
  "returnType" : "java.util.List<CompatibleVersionsMap>",
  "documentation" : null
  
  ),
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CompatibleElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CompatibleElasticsearchVersions",
  "uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "CompatibleVersionsMap",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [CompatibleVersionsMap.Builder] avoiding
the need to create one manually via [CompatibleVersionsMap.Builder].
When the [Consumer] completes, [CompatibleVersionsMap.Builder] is called immediately and its result is passed to
[CompatibleVersionsMap.Builder] a return
Returns a reference to this object so that method calls can be chained together.[see #member(CompatibleVersionsMap)]",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object."
    "returnType" : "CompatibleVersionsMap",
    "documentation" : null
  }
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
}
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : "",
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"xmlnsSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "CompatibleVersionsMap",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "CompatibleVersionsMap",
"templateImplType" : "java.util.ArrayList<CompatibleVersionsMap>",
"deprecated": false,
"documentation": "A map of compatible Elasticsearch versions returned as part of the \<a\>GetCompatibleElasticsearchVersions</a> \</code\> operation. \</p\>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "compatibleElasticsearchVersions",
"fluentSetterDocumentation": "A map of compatible Elasticsearch versions returned as part of the \<a\>GetCompatibleElasticsearchVersions</a> \</code\> operation. \</p\>\\n@param compatibleElasticsearchVersions A map of compatible Elasticsearch versions returned as part of the \<a\>GetCompatibleElasticsearchVersions</a> \</code\> operation. \n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "compatibleElasticsearchVersions",
"getterDocumentation": "A map of compatible Elasticsearch versions returned as part of the \<a\>GetCompatibleElasticsearchVersions</a> \</code\> operation. \</p\>\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\</p\>\n@return A map of compatible Elasticsearch versions returned as part of the \<a\>GetCompatibleElasticsearchVersions</a> \</code\> operation.",
"getterModel": {
"returnType": "java.util.List<CompatibleVersionsMap>",
"documentation": null
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"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "CompatibleElasticsearchVersions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CompatibleElasticsearchVersions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
"implType": "java.util.ArrayList",
"interfaceType": "java.util.List"
"listMemberModel": {
  "beanStyleGetterMethodName": "getMember",
  "beanStyleSetterMethodName": "setMember",
  "c2jName": "member",
  "c2jShape": "CompatibleVersionsMap",
  "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [link CompatibleVersionsMap.Builder] avoiding the need to create one manually via [link CompatibleVersionsMap#builder()]. When the [link Consumer] completes, [link CompatibleVersionsMap.Builder#build()] is called immediately and its result is passed to [link #member(CompatibleVersionsMap)].

@returns {CompatibleVersionsMap} Returns a reference to this object so that method calls can be chained together.

@see #member(CompatibleVersionsMap)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.

@returns {CompatibleVersionsMap} The new value for the Member property for this object.

@returns {CompatibleVersionsMap} Returns a reference to this object so that method calls can be chained together.

@returns {Member} The value of the Member property for this object.

@returns {Member} Returns the value of the Member property for this object.

@returns {CompatibleVersionsMap} Returns a reference to this object so that method calls can be chained together.

@returns {CompatibleVersionsMap} Returns a reference to this object so that method calls can be chained together.

returnType": "CompatibleVersionsMap",
  "documentation": null
},
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "member",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "member",
    "uri": false
  },
  "idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,

"setterDocumentation": "Sets the value of the Member property for this object.\n\n@\n\n@param member The new value for the Member property for this object.\n",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "CompatibleVersionsMap",
  "variableName": "member",
  "variableType": "CompatibleVersionsMap",
  "documentation": null,
  "simpleType": "CompatibleVersionsMap",
  "variableSetterType": "CompatibleVersionsMap"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "CompatibleVersionsMap",
  "variableName": "member",
  "variableType": "CompatibleVersionsMap",
  "documentation": "",
  "simpleType": "CompatibleVersionsMap",
  "variableSetterType": "CompatibleVersionsMap"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "CompatibleVersionsMap",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "CompatibleVersionsMap",
"templateImplType": "java.util.ArrayList<CompatibleVersionsMap>",
"templateType": "java.util.List<CompatibleVersionsMap>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "CompatibleElasticsearchVersions",
"sensitive": false,
"setterDocumentation": "<p> A map of compatible Elasticsearch versions returned as part of the <code>
A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation. 

```java
public class CompatibleElasticsearchVersions {
    private List<CompatibleVersionsMap> compatibleElasticsearchVersions;

    // Getters and setters
}
```

Here is the documentation for the `compatibleElasticsearchVersions` parameter:

- **Compatibility Method Name**: `setCompatibleElasticsearchVersions`
- **Compatibility Model**: `java.util.List<CompatibleVersionsMap>`
- **Documentation**: A map of compatible Elasticsearch versions returned as part of the `<code>GetCompatibleElasticsearchVersions</code>` operation.

This is a convenience that creates an instance of the `List<CompatibleVersionsMap>.Builder` avoiding the need to create one manually via `List<CompatibleVersionsMap>.Builder#builder()`. When the `Consumer` completes, `List<CompatibleVersionsMap>.Builder#build()` is called immediately and its result is passed to `compatibleElasticsearchVersions(List<CompatibleVersionsMap>)`. Returns a reference to this object so that method calls can be chained together.

```java
public void setCompatibleElasticsearchVersions(List<CompatibleVersionsMap> compatibleElasticsearchVersions) {
    this.compatibleElasticsearchVersions = compatibleElasticsearchVersions;
}
```

**Deprecated**: false

**Event Header**: false

**Event Payload**: false

```java
public List<CompatibleVersionsMap> getCompatibleElasticsearchVersions() {
    return compatibleElasticsearchVersions;
}
```

**Endpoint Discovery Id**: false

**Enum Type**: null

**Event Header**: false

**Event Payload**: false

**Fluent Enum Getter Method Name**: null

**Non Streaming Members**: [ ]
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "compatibleElasticsearchVersions",
"fluentSetterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
@param compatibleElasticsearchVersions
A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "compatibleElasticsearchVersions",
"getterDocumentation" : "<p> A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation. </p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return A map of compatible Elasticsearch versions returned as part of the <code> <a>GetCompatibleElasticsearchVersions</a> </code> operation.",
"getterModel" : {
"returnType" : "java.util.List<CompatibleVersionsMap>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CompatibleElasticsearchVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CompatibleElasticsearchVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "CompatibleVersionsMap",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the {@link CompatibleVersionsMap.Builder} avoiding the need to create one manually via {@link CompatibleVersionsMap#builder()}."
"returnType" : "null",
"documentation" : null
},

This is a convenience that creates an instance of the { @link CompatibleVersionsMap.Builder} avoiding the need to create one manually via { @link CompatibleVersionsMap#builder()}."
completes, [@link CompatibleVersionsMap.Builder#build()]{@link} is called immediately and its result is passed to
[@link #member(CompatibleVersionsMap)].

@see #member(CompatibleVersionsMap)

/* Docs */
/* Docs */
/* Docs */
/* Docs */

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see #member(CompatibleVersionsMap)"

getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.

getterModel" : {
  "returnType" : "CompatibleVersionsMap",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member"
"setterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CompatibleVersionsMap",
  "variableName" : "member",
  "variableType" : "CompatibleVersionsMap",
  "documentation" : null,
  "simpleType" : "CompatibleVersionsMap",
  "variableSetterType" : "CompatibleVersionsMap"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "CompatibleVersionsMap",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "CompatibleVersionsMap",
"templateImplType" : "java.util.ArrayList<CompatibleVersionsMap>",
"templateType" : "java.util.List<CompatibleVersionsMap>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "CompatibleElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "A map of compatible Elasticsearch versions returned as part of the `<code>`
<a>GetCompatibleElasticsearchVersions</a> </code> operation. `<p>`

A map of compatible Elasticsearch versions returned as part of the `<code>`
<a>GetCompatibleElasticsearchVersions</a> </code> operation.

"setterMethodName" : "setCompatibleElasticsearchVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<CompatibleVersionsMap>",
  "variableName" : "compatibleElasticsearchVersions",
  "variableType" : "java.util.List<CompatibleVersionsMap>""}
"documentation": null,
"complexType": "List<CompatibleVersionsMap>",
"variableSetterType": "java.util.Collection<CompatibleVersionsMap>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<CompatibleVersionsMap>",
  "variableName": "compatibleElasticsearchVersions",
  "variableType": "java.util.List<CompatibleVersionsMap>",
  "documentation": "A map of compatible Elasticsearch versions returned as part of the <code>GetCompatibleElasticsearchVersions</code> operation."
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "GetCompatibleElasticsearchVersionsResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "GetCompatibleElasticsearchVersionsResponse",
  "variableName": "getCompatibleElasticsearchVersionsResponse",
  "variableType": "GetCompatibleElasticsearchVersionsResponse",
  "documentation": null,
  "simpleType": "GetCompatibleElasticsearchVersionsResponse",
  "variableSetterType": "GetCompatibleElasticsearchVersionsResponse"
},
"wrapper": false
},
"GetUpgradeHistoryRequest": {
  "c2jName": "GetUpgradeHistoryRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "Container for request parameters to <code>GetUpgradeHistory</code> operation."
}
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "GetUpgradeHistory",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/upgradeDomain/{DomainName}/history",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the "+ @link String.Builder) avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}. RETURNS a reference to this object so that method calls can be chained together."
    ,
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object. The parameter, if any, is passed to the DomainName so that method calls can be chained together."
    ,
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "Returns the value of the DomainName property for this object."
    ,
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "uri",
  "marshallLocation": "PATH",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": true
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object."
}@param domainName

The new value for the DomainName property for this object.

"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
}
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaxResults property for this object. This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}.\n@param maxResults a consumer that will call methods on { @link Integer.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #maxResults(Integer)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.\n@see #maxResults\n@param maxResults The new value for the MaxResults property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "Returns the value of the MaxResults property for this object.\n@see #maxResults\n@return The value of the MaxResults property for this object."
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
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"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "queryString",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults The new value for the MaxResults property for this object."
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : 
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this
object.

This is a convenience that creates an instance of the String.Builder avoiding the need to create
one manually via String.Builder().
When the Consumer completes, String.Builder.build() is called immediately and its result is passed to

nextToken a consumer that will call methods on String.Builder

@return Returns a reference to this object so that method calls can be chained together.
@see #nextToken(String)"
  "deprecated" : false,
  "documentation" : 
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "Sets the value of the NextToken property for this object. \n\n@param nextToken The new value for the NextToken property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "nextToken",
"getterDocumentation": "Returns the value of the NextToken property for this object.\n@return The value of the NextToken property for this object.",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "nextToken",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"setterDocumentation": "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String"}
"variableSetterType" : "String",
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
object.\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create
one manually via \{@link String#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link
String.Builder#build()\} is called immediately and its result is passed to \{@link 
#domainName(String)\}.\n\n@param
domainName a consumer that will call methods on \{@link String.Builder\}\n@returns a reference to this
object so that method calls can be chained together.\n\n@see #domainName(String)\",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param
domainName The new value for the DomainName property for this object.\n@returns a reference to this
object so that method calls can be chained together.\",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "Returns the value of the DomainName property for this object.\n@returns The value
of the DomainName property for this object.\",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param

domainName The new value for the DomainName property for this object.",

"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"MaxResults" : {
    "beanStyleGetterMethodName" : "getMaxResults",
    "getterMethodName" : "setMaxResults",
    "getterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "maxResults",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "maxResults",
        "variableType" : "String",
        "documentation" : "",
        "simpleType" : "String",
        "variableSetterType" : "String"
    }
}
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaxResults property for this object. This is a convenience that creates an instance of the @link Integer.Builder\) avoiding the need to create one manually via @link Integer.Builder()\). When the @link Consumer\) completes, @link Integer.Builder#build()\) is called immediately and its result is passed to @link maxResults(Integer)\).\n\n@param maxResults A consumer that will call methods on @link Integer.Builder\)\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #maxResults(Integer)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "Sets the value of the MaxResults property for this object.\n\n@param maxResults The new value for the MaxResults property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "Returns the value of the MaxResults property for this object.\n\n@return The value of the MaxResults property for this object."

"getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "maxResults",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "maxResults",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults
The new value for the MaxResults property for this object.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the [String.Builder] avoiding the need to create
one manually via [String.Builder#build()].

When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to
[String.Builder#nextToken(String)].

@return Returns a reference to this object
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param
nextToken The new value for the NextToken property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.\n\n@return The value of the NextToken property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "querystring",
   "marshallLocation" : "QUERY_PARAM",
   "marshallLocationName" : "nextToken",
   "queryString" : true,
   "statusCode" : false,
   "unmarshallLocationName" : "nextToken",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param(nextToken The new value for the NextToken property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "nextToken",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"}
}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #domainName(String) \}.\n\n@param domainName a consumer that will call methods on \{ @link String.Builder \}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
The new value for the DomainName property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
    "fluentSetterMethodName" : "domainName",
    "getterDocumentation" : "Returns the value of the DomainName property for this object.\n\n@see #domainName(String)",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
The new value for the DomainName property for this object."

@param domainName

@returns void

@throws IOException

## setterMethodName

```
public void setDomainName(String domainName)
```

@returns void

@throws IOException

## xmlNameSpaceUri

```
String xmlNameSpaceUri;
```
"defaultConsumerFluentSetterDocumentation": "Sets the value of the MaxResults property for this object. This is a convenience that creates an instance of the `{@link Integer.Builder} avoiding the need to create one manually via `{@link Integer#builder()}. When the `{@link Consumer} completes, `{@link Integer.Builder#build()} is called immediately and its result is passed to `{@link maxResults(Integer)}.\n\n@see maxResults(Integer)\n\n"\n"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maxResults",
"fluentSetterDocumentation": "Sets the value of the MaxResults property for this object.\n\nWhen the `{@link Consumer} completes, `{@link Integer.Builder#build()} is called immediately and its result is passed to `{@link maxResults(Integer)}.\n\n@param maxResults a consumer that will call methods on `{@link Integer.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see maxResults(Integer)",
"fluentSetterMethodName": "maxResults",
"getterDocumentation": "Returns the value of the MaxResults property for this object.\n\n\n@return The value of the MaxResults property for this object."
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": "querystring",
  "marshallLocation": "QUERY_PARAM",
  "marshallLocationName": "maxResults",
  "queryString": true,
  "statusCode": false,
  "unmarshallLocationName": "maxResults",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MaxResults property for this object.

@param maxResults The new value for the MaxResults property for this object.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
}
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "maxResults",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
}
},
"xmlNameSpaceUri" : null
],
{
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "NextToken",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #nextToken(String) where param nextToken a consumer that will call methods on String.Builder

@see #nextToken(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

@see #nextToken(String)",
"fluentSetterMethod" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

@see #nextToken(String)",
"return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)"
}
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.
@return The value of the NextToken property for this object.,
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.
@param nextToken The new value for the NextToken property for this object.,
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",null
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] }},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "GetUpgradeHistoryRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
"variableDeclarationType" : "GetUpgradeHistoryRequest",
"variableName" : "getUpgradeHistoryRequest",
"variableType" : "GetUpgradeHistoryRequest",
"documentation" : null,
"simpleType" : "GetUpgradeHistoryRequest",
"variableSetterType" : "GetUpgradeHistoryRequest"
},
"wrapper" : false,
"GetUpgradeHistoryResponse" : {
"c2jName" : "GetUpgradeHistoryResponse",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for response returned by <code><a>GetUpgradeHistory</a></code> operation. </p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  { "beanStyleGetterMethodName" : "getUpgradeHistories", 
  "beanStyleSetterMethodName" : "setUpgradeHistories", 
  "c2jName" : "UpgradeHistories", 
  "c2jShape" : "UpgradeHistoryList", 

  "defaultConsumerFluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
  This is a convenience that creates an instance of the { @link List<UpgradeHistory>.Builder} avoiding the need to create one manually via { @link List<UpgradeHistory>#builder()}. 
  When the { @link Consumer} completes, { @link List<UpgradeHistory>.Builder#build()} is called immediately and its result is passed to { @link #upgradeHistories(List<UpgradeHistory>)}. 
  @param upgradeHistories a consumer that will call methods on { @link List<UpgradeHistory>.Builder}.
  @return Returns a reference to this object so that method calls can be chained together.

  \@see #upgradeHistories(List<UpgradeHistory>)", 

  "deprecated" : false,

  "documentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

  "endpointDiscoveryId" : false,

  "enumType" : null,

  "eventHeader" : false,

  "eventPayload" : false,

  "fluentEnumGetterMethodName" : null,

  "fluentEnumSetterMethodName" : null,

  "fluentGetterMethodName" : "upgradeHistories",

  "fluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

  "fluentSetterMethodName" : "upgradeHistories",

  "getterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. 

  Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

  @return A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. 

  \@see #upgradeHistories(List<UpgradeHistory>)", 

  "getterModel" : { 
    "returnType" : "java.util.List<UpgradeHistory>",
    "documentation" : null
  },

  "http" : {
    "additionalMarshallingPath" : null, 
    "additionalUnmarshallingPath" : null, 
    "flattened" : false, 
    "greedy" : false, 
    "header" : false,

    "members" : [ 
      { "beanStyleGetterMethodName" : "getUpgradeHistories", 
      "beanStyleSetterMethodName" : "setUpgradeHistories", 
      "c2jName" : "UpgradeHistories", 
      "c2jShape" : "UpgradeHistoryList", 

      "defaultConsumerFluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
      This is a convenience that creates an instance of the { @link List<UpgradeHistory>.Builder} avoiding the need to create one manually via { @link List<UpgradeHistory>#builder()}. 
      When the { @link Consumer} completes, { @link List<UpgradeHistory>.Builder#build()} is called immediately and its result is passed to { @link #upgradeHistories(List<UpgradeHistory>)}. 
      @param upgradeHistories a consumer that will call methods on { @link List<UpgradeHistory>.Builder}.
      @return Returns a reference to this object so that method calls can be chained together.

      \@see #upgradeHistories(List<UpgradeHistory>)", 

      "deprecated" : false,

      "documentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

      "endpointDiscoveryId" : false,

      "enumType" : null,

      "eventHeader" : false,

      "eventPayload" : false,

      "fluentEnumGetterMethodName" : null,

      "fluentEnumSetterMethodName" : null,

      "fluentGetterMethodName" : "upgradeHistories",

      "fluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

      "fluentSetterMethodName" : "upgradeHistories",

      "getterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. 

      Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

      @return A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. 

      \@see #upgradeHistories(List<UpgradeHistory>)", 

      "getterModel" : { 
        "returnType" : "java.util.List<UpgradeHistory>",
        "documentation" : null
      },

      "http" : {
        "additionalMarshallingPath" : null, 
        "additionalUnmarshallingPath" : null, 
        "flattened" : false, 
        "greedy" : false, 
        "header" : false,
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,  
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "UpgradeHistory",
    "variableName" : "member",
    "variableType" : "UpgradeHistory",
    "documentation" : null,
    "simpleType" : "UpgradeHistory",
    "variableSetterType" : "UpgradeHistory"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "UpgradeHistory",
    "variableName" : "member",
    "variableType" : "UpgradeHistory",
    "documentation" : "",
    "simpleType" : "UpgradeHistory",
    "variableSetterType" : "UpgradeHistory"
},
"xmlNameSpaceUri" : null
"setterDocumentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. </p>
@param upgradeHistories A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.",
"setterMethodName" : "setUpgradeHistories",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : null,
  "simpleType" : "List<UpgradeHistory>",
  "variableSetterType" : "java.util.Collection<UpgradeHistory>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object.</p>",
"simpleType" : "List<UpgradeHistory>",
"variableSetterType" : "java.util.Collection<UpgradeHistory>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String"
"defaultConsumerFluentSetterDocumentation": "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}. Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)",
"deprecated": false,
"documentation": "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>

@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>

@param nextToken a consumer that will call methods on
{@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)",
"getterDocumentation": "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>

@return Pagination token that needs to be supplied to the next call to get the next page of results

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "NextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "NextToken",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"敏感" : false,
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "NextToken" : {
    "beanStyleGetterMethodName" : "getNextToken",
    "beanStyleSetterMethodName" : "setNextToken",
    "c2jName" : "NextToken",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results
This is a convenience that creates an instance of the \@link String.Builder
avoiding the need to create one manually via \@link String#builder().\n\nWhen the \@link ConsumerCompletes
\@link String.Builder#build() is called immediately and its result is passed to \@link
#nextToken(String).\n@param nextToken a consumer that will call methods on \@link
String.Builder\n@return
Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
@return Pagination token that needs to be supplied to the next call to get the next page of results",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "NextToken",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "NextToken",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of results
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setNextToken",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "nextToken",
    "variableType" : "String",
    "documentation" : null,
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpgradeHistories" : {
"beanStyleGetterMethodName" : "getUpgradeHistories",
"beanStyleSetterMethodName" : "setUpgradeHistories",
"c2jName" : "UpgradeHistories",
"c2jShape" : "UpgradeHistoryList",
"defaultConsumerFluentSetterDocumentation" : "<p>A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. </p>This is a convenience that creates an instance of the { @link List<UpgradeHistory>.Builder} avoiding the need to create one manually via { @link List<UpgradeHistory>#builder()}.\n\nWhen the { @link Consumer} completes, { @link List<UpgradeHistory>.Builder#build()} is called immediately and its result is passed to { @link #upgradeHistories(List<UpgradeHistory>)}.\n@deprecated
@see #upgradeHistories(List<UpgradeHistory>)",
"documentation" : "A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. ",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeHistories",
"fluentSetterDocumentation" : "A list of <code><a>UpgradeHistory</a></code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code><a>GetUpgradeHistoryResponse</a></code> object. ",
"fluentSetterMethodName" : "upgradeHistories"
"getterDocumentation": "<p>A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object."

"getterModel": {
"returnType": "java.util.List<UpgradeHistory>",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "UpgradeHistories",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UpgradeHistories",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
"implType": "java.util.ArrayList",
"interfaceType": "java.util.List",
"listMemberModel": {
"beanStyleGetterMethodName": "getMember",
"beanStyleSetterMethodName": "setMember",
"c2jName": "member",
"c2jShape": "UpgradeHistory",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the [ @link UpgradeHistory.Builder] avoiding the need to create one manually via [ @link UpgradeHistory#builder()].\nWhen the [ @link Consumer] completes, [ @link UpgradeHistory.Builder#build()] is called immediately and its result is passed to [ @link #member(UpgradeHistory)].\n@param member a consumer that will call methods on [ @link UpgradeHistory.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(UpgradeHistory)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.,
"getterModel" : {
"returnType" : "UpgradeHistory",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "UpgradeHistory",
"variableName" : "member"}
"variableType" : "UpgradeHistory",
"documentation" : null,
"simpleType" : "UpgradeHistory",
"variableSetterType" : "UpgradeHistory"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : "",
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
}
,"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeHistory",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeHistory",
"templateImplType" : "java.util.ArrayList<UpgradeHistory>",
"templateType" : "java.util.List<UpgradeHistory>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "UpgradeHistories",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> &lt;a&gt;UpgradeHistory&lt;/a&gt; </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> &lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt; </code> object. </p>

\param upgradeHistories A list of <code> &lt;a&gt;UpgradeHistory&lt;/a&gt; </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> &lt;a&gt;GetUpgradeHistoryResponse&lt;/a&gt; </code> object."
,"setterMethodName" : "setUpgradeHistories",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : null,
  "simpleType" : "List<UpgradeHistory>",
  "variableSetterType" : "java.util.Collection<UpgradeHistory>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getUpgradeHistories",
  "beanStyleSetterMethodName" : "setUpgradeHistories",
  "c2jName" : "UpgradeHistories",
  "c2jShape" : "UpgradeHistoryList",
  "defaultConsumerFluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

This is a convenience that creates an instance of the [ @link List<UpgradeHistory>.Builder ] avoiding the need to create one manually via [ @link List<UpgradeHistory>#builder()].

When the [ @link Consumer] completes, [ @link List<UpgradeHistory>.Builder#build()] is called immediately and its result is passed to [ @link #upgradeHistories(List<UpgradeHistory>)].

@param upgradeHistories a consumer that will call methods on [ @link List<UpgradeHistory>.Builder] returns a reference to this object so that method calls can be chained together.
@see #upgradeHistories(List<UpgradeHistory>)",
  "deprecated" : false,
  "documentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeHistories",
"fluentSetterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
},
"fluentSetterMethodName" : "upgradeHistories",
"getterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>

Attempts to modify the collection returned by
this method will result in an UnsupportedOperationException.

@return A list of <code>UpgradeHistory</code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code>GetUpgradeHistoryResponse</code> object."

```
"getterModel" : {
  "returnType" : "java.util.List<UpgradeHistory>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeHistories",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeHistories",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeHistory",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \n{@link UpgradeHistory.Builder} avoiding the need

to create one manually via {@link UpgradeHistory.Builder#builder()}.\nWhen the {@link Consumer} completes, \n@link UpgradeHistory.Builder#build()} is called immediately and its result is passed to \n@link UpgradeHistory.Builder\n@see #member(UpgradeHistory)"
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
```

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"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object."
getterModel" : { 
"returnType" : "UpgradeHistory",
"documentation" : null } ,
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false 
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together."
setterMethodName" : "setMember",
"setterModel" : { 
"variableDeclarationType" : "UpgradeHistory",
"variableName" : "member",
"variableType" : "UpgradeHistory",
"documentation" : null,
"simpleType" : "UpgradeHistory",}
"variableSetterType" : "UpgradeHistory"
],
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "UpgradeHistory",
  "variableName" : "member",
  "variableType" : "UpgradeHistory",
  "documentation" : "",
  "simpleType" : "UpgradeHistory",
  "variableSetterType" : "UpgradeHistory"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "UpgradeHistory",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeHistory",
"templateImplType" : "java.util.ArrayList<UpgradeHistory>",
"templateType" : "java.util.List<UpgradeHistory>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "UpgradeHistories",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object. </p>
@param upgradeHistories A list of <code> <a>UpgradeHistory</a> </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> <a>GetUpgradeHistoryResponse</a> </code> object.",
"setterMethodName" : "setUpgradeHistories",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : "",
  "simpleType" : "List<UpgradeHistory>",
  "variableSetterType" : "java.util.Collection<UpgradeHistory>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<UpgradeHistory>",
  "variableName" : "upgradeHistories",
  "variableType" : "java.util.List<UpgradeHistory>",
  "documentation" : "",
  "simpleType" : "List<UpgradeHistory>",
  "variableSetterType" : "java.util.Collection<UpgradeHistory>"
"variableType" : "java.util.List<UpgradeHistory>",
"documentation" : "<p> A list of <code> UpgradeHistory </code> objects corresponding to each Upgrade or Upgrade Eligibility Check performed on a domain returned as part of <code> GetUpgradeHistoryResponse </code> object. </p>",
"simpleType" : "List<UpgradeHistory>",
"variableSetterType" : "java.util.Collection<UpgradeHistory>
",
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link String#builder()];

@returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"deprecated" : false,
"documentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>

@returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"getterDocumentation" : "<p>Pagination token that needs to be supplied to the next call to get the next page of results</p>

@returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NextToken",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"simple": false,
"setterDocumentation": "<p>Pagination token that needs to be supplied to the next call to get the next page of
results</p>
@param nextToken Pagination token that needs to be supplied to the next call to get the next page of
results",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "<p>Pagination token that needs to be supplied to the next call to get the next page of
results</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "GetUpgradeHistoryResponse",
"simpleMethod": false,
"unmarshall": {


"flattened": false,
"resultWrapper": null
],
"variable": {
"variableDeclarationType": "GetUpgradeHistoryResponse",
"variableName": "getUpgradeHistoryResponse",
"variableType": "GetUpgradeHistoryResponse",
"documentation": null,
"simpleType": "GetUpgradeHistoryResponse",
"variableSetterType": "GetUpgradeHistoryResponse"
},
"wrapper": false
],
"GetUpgradeStatusRequest": {
"c2jName": "GetUpgradeStatusRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": ";p; Container for request parameters to <code><a>GetUpgradeStatus</a></code> operation. ;/p;",
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": {
"action": "GetUpgradeStatus",
"locationName": null,
"requestUri": "2015-01-01/es/upgradeDomain/{DomainName}/status",
"target": null,
"verb": "GET",
"xmlNameSpaceUri": null
},
"members": [
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
""
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this
object. This is a convenience that creates an instance of the (@link String.Builder) avoiding the need to create
one manually via (@link String.Builder()). When the (@link Consumer) completes, (@link String.Builder.build()) is called immediately and its result is passed to (@link #domainName(String)).
@param domainName a consumer that will call methods on (@link String.Builder)
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.
@see #domainName(String)",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName
The new value for the DomainName property for this object."

"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}. @param domainName a consumer that will call methods on { @link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetMethodMethodName" : "domainName",
    "fluentGetMethodName" : "domainName",
    "fluentSetMethodName" : "domainName",
    "fluentSetterMethodName" : "domainName",
    "fluentSetterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "domainName",
      "variableType" : "String",
      "documentation" : null,
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "domainName",
      "variableType" : "String",
      "documentation" : "",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
}
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.

@return The value of the DomainName property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link DomainName(String)}. Returns a reference to this object so that method calls can be chained together. See {@link DomainName(String)}.",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "Returns the value of the DomainName property for this object.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "interface" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "headers" : [ { "name" : "Content-Type", "value" : "application/json" } ],
      "httpMethod" : "POST",
      "marshalBody" : false,
      "onResponse" : {
        "childBeans" : [ ],
        "getters" : [ {
          "getterMethodName" : "domainName",
          "getterModel" : {
            "returnType" : "String",
            "documentation" : null
          }
        } ],
        "httpMethod" : "GET",
        "marshaller" : {
          "class" : "com.amazonaws.transform.StringMarshaller",
          "version" : 1
        },
        "maxWaitDuration" : 3600000,
        "responsePredicate" : { "method" : "Arn ${(aws:arn)}" },
        "responseUnmarshaller" : {
          "class" : "com.amazonaws.transform.StringUnmarshaller",
          "version" : 1
        },
        "responseTransformer" : { "class" : "com.amazonaws.transform.StringTransformer", "version" : 1
      },
      "responseTransformerParameters" : [ ],
      "responseTransformerVersion" : 1
    },
    "headers" : [ { "name" : "Content-Type", "value" : "application/json" } ],
    "httpMethod" : "POST",
    "marshalBody" : false,
    "onResponse" : {
      "childBeans" : [ ],
      "getters" : [ {
        "getterMethodName" : "domainName",
        "getterModel" : {
          "returnType" : "String",
          "documentation" : null
        }
      } ],
      "httpMethod" : "GET",
      "marshaller" : {
        "class" : "com.amazonaws.transform.StringMarshaller",
        "version" : 1
      },
      "maxWaitDuration" : 3600000,
      "responsePredicate" : { "method" : "Arn ${(aws:arn)}" },
      "responseUnmarshaller" : {
        "class" : "com.amazonaws.transform.StringUnmarshaller",
        "version" : 1
      },
      "responseTransformer" : { "class" : "com.amazonaws.transform.StringTransformer", "version" : 1
    },
    "responseTransformerParameters" : [ ],
    "responseTransformerVersion" : 1
  }
}
}
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

@param domainName

The new value for the DomainName property for this object.
",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "GetUpgradeStatusRequest",
"simpleMethod" : false,
null,
"variable" : {
  "variableDeclarationType" : "GetUpgradeStatusRequest",
  "variableName" : "getUpgradeStatusRequest",
  "variableType" : "GetUpgradeStatusRequest",
  "documentation" : null,
  "simpleType" : "GetUpgradeStatusRequest",
  "variableSetterType" : "GetUpgradeStatusRequest"
},
"wrapper" : false
},
"GetUpgradeStatusResponse" : {
  "c2jName" : "GetUpgradeStatusResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for response returned by <code>&lt;a&gt;GetUpgradeStatus&lt;/a&gt;</code> operation. &lt;/p&gt;",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getUpgradeStepAsString",
    "beanStyleSetterMethodName" : "setUpgradeStep",
    "c2jName" : "UpgradeStep",
    "c2jShape" : "UpgradeStep",
    "defaultConsumerFluentSetterDocumentation" : " Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: &lt;ul&gt; &lt;li&gt;PreUpgradeCheck&lt;/li&gt; &lt;li&gt;Snapshot&lt;/li&gt; &lt;li&gt;Upgrade&lt;/li&gt; &lt;/ul&gt; &lt;/p&gt;\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeStepAsString(String)}.\n@param upgradeStep a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #upgradeStep(String)",
  "deprecated" : false,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : 
"<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
</p>@param upgradeStep

<br>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : 
  "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
  <ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
  </ul>
  </p>"
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
  "beanStyleGetterMethodName" : "getStepStatusAsString",
  "beanStyleSetterMethodName" : "setStepStatus",
  "c2jName" : "StepStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : 
  "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
  </ul>
  </p><p>This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String.Builder#builder()].
  When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #stepStatusAsString(String)].
  @param stepStatus a consumer that will call methods on [ @link String.Builder]
  @return Returns a reference to this object so that method calls can be chained together.
  @see #stepStatus(String)
  
  "deprecated" : false,
  "documentation" : 
  "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
  </ul>
  </p>
  "endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "stepStatus",
"fluentEnumSetterMethodName" : "stepStatus",
"fluentGetterMethodName" : "stepStatusAsString",
"fluentSetterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus
@return One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus",
"fluentSetterMethodName" : "stepStatus",
"getterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> If the service returns an enum value that is not available in the current SDK version, {@link #stepStatus} will return { @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #stepStatusAsString}. One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> @see UpgradeStatus",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "StepStatus",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "StepStatus",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
 "listModel" : null,
 "map" : false,
 "mapModel" : null,
"marshallingType" : "STRING",
"name" : "StepStatus",
"sensitive" : false,
"setterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> <p>@param stepStatus</p>

@see UpgradeStatus",
"setterMethodName" : "setStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>

@see UpgradeStatus",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
  "beanStyleGetterMethodName" : "getUpgradeName",
  "beanStyleSetterMethodName" : "setUpgradeName",
  "c2jName" : "UpgradeName",
  "c2jShape" : "UpgradeName",
  "defaultConsumerFluentSetterDocumentation" : "<p>A string that describes the update briefly</p>\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #upgradeName(String)].\n\n@deprecated\n\n@see #upgradeName(String)",
"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "upgradeName",
"getterDocumentation" : "<p>A string that describes the update briefly</p>
@return A string that describes the update briefly",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
" sensitive" : false,
"setterDocumentation" : "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "complexType" : 
"Open Source Used In MSX SD-WAN Service Pack 3.9.0 1675"
"variableSetterType" : "String",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "A string that describes the update briefly",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "StepStatus" : {
    "beanStyleGetterMethodName" : "getStepStatusAsString",
    "beanStyleSetterMethodName" : "setStepStatus",
    "c2jName" : "StepStatus",
    "c2jShape" : "UpgradeStatus",
    "defaultValueSetterDocumentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul>
      <li>In Progress</li>
      <li>Succeeded</li>
      <li>Succeeded with Issues</li>
      <li>Failed</li>
    </ul>
    This is a convenience that creates an instance of the <code>UpgradeStatus</code> without the need to create one manually via <code>String.Builder</code>. When the <code>GetUpgradeStatus</code> completes, <code>String.Builder.build()</code> is called immediately and its result is passed to <code>stepStatusAsStepStatus(String)</code>. A consumer that will call methods on <code>stepStatus(String)</code> is then called, and finally the result is passed to <code>stepStatusAsString</code>. The parameter to <code>stepStatus</code> is a string that represents one of the statuses mentioned above. The <code>GetUpgradeStatusResponse</code> object contains an instance of <code>UpgradeStatus</code> that represents the current status of a step.
    
    @param stepStatus a string that represents one of the statuses mentioned above.
    @return a reference to this object so that method calls can be chained together.
    @see UpgradeStatus"
  },
  "deprecated" : false,
  "documentation" : "One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul>
      <li>In Progress</li>
      <li>Succeeded</li>
      <li>Succeeded with Issues</li>
      <li>Failed</li>
    </ul>
    @see UpgradeStatus"
  }
}
The status can take one of the following values: in Progress, Succeeded, Succeeded with Issues, Failed. If the service returns an enum value that is not available in the current SDK version, @link stepStatus will return @link UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from @link stepStatusAsString.

@return One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: In Progress, Succeeded, Succeeded with Issues, Failed.

@see UpgradeStatus
variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "stepStatus",
"variableType" : "String",
"documentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpgradeName" : {
"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link #builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #upgradeName(String) }. @param upgradeName a consumer that will call methods on { @link String.Builder } @return Returns a reference to this object so that method calls can be chained together.
@see #upgradeName(String)",
"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
@return A string that describes the update briefly
@see #upgradeName(String)",
"getterModel" : { }
"returnType" : "String",
"documentation" : null
A string that describes the update briefly

@param upgradeName A string that describes the update briefly
"xmlNameSpaceUri" : null
},
"UpgradeStep" : {
  "beanStyleGetterMethodName" : "getUpgradeStepAsString",
  "beanStyleSetterMethodName" : "setUpgradeStep",
  "c2jName" : "UpgradeStep",
  "c2jShape" : "UpgradeStep",
  "defaultConsumerFluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to
create one manually via [ @link String#builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build()]
is called immediately and its result is passed to [ @link #upgradeStepAsString(String)].
@param upgradeStep a consumer that will call methods on [ @link String.Builder] w
@return Returns a reference to this object so that method calls can be chained together.
@see #upgradeStep(String)",
  "deprecated" : false,
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>
</p>"},
"endpointDiscoveryId" : false,
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>
@see UpgradeStep
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStep",
  "fluentSetterMethodName" : "upgradeStep",
  "getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: 
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul>
If the service returns an enum value that is not available in the current SDK version, [ @link #upgradeStep] will return [ @link UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [ @link #upgradeStepAsString].
</p>"},
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getUpgradeStepAsString",
    "beanStyleSetterMethodName" : "setUpgradeStep",
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "UpgradeStep",
    "sensitive" : false,
    "setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>",
    "setterMethodName" : "setUpgradeStep",
    "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "upgradeStep",
      "variableType" : "String",
      "documentation" : null,
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "upgradeStep",
      "variableType" : "String",
      "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>",
      "simpleType" : "String",
      "variableSetterType" : "String"
    },
    "xmlNameSpaceUri" : null
  }
]
"c2jName" : "UpgradeStep",
"c2jShape" : "UpgradeStep",
"defaultConsumerFluentSetterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: `<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>`

This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #upgradeStepAsString(String)}`.

@deprecated
@see #upgradeStep(String)"

"documentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: `<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>`

@endpointDiscoveryId" : false,
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: `<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>`

If the service returns an enum value that is not available in the current SDK version, `{@link #upgradeStep}` will return `{@link UpgradeStep#UNKNOWN_TO_SDK_VERSION}`. The raw value returned by the service is available from `{@link #upgradeStepAsString}`.

@see UpgradeStep
@see UpgradeStep"

"fluentSetterMethodName" : "upgradeStep",
"getterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: `<ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>`

If the service returns an enum value that is not available in the current SDK version, `{@link #upgradeStep}` will return `{@link UpgradeStep#UNKNOWN_TO_SDK_VERSION}`. The raw value returned by the service is available from `{@link #upgradeStepAsString}`.

@see UpgradeStep
@see UpgradeStep"

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep

Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getStepStatusAsString",
  "beanStyleSetterMethodName" : "setStepStatus",
  "c2jName" : "StepStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code>&lt;a&gt;GetUpgradeStatusResponse&lt;/a&gt;</code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#build()}.
is called immediately and its result is passed to {@link #stepStatusAsString(String)}.

@code
@see #stepStatus(String)
@endcode

"deprecated" : false,
"documentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul></p>.

@endcode

"endpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "stepStatus",
"fluentEnumSetterMethodName" : "stepStatus",
"fluentGetterMethodName" : "stepStatusAsString",
"fluentSetterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>.

@endcode

@return One of 4 statuses that a step can go through returned as part of the <code>GetUpgradeStatusResponse</code> object. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>

@see UpgradeStatus

@code

If the service returns an enum value that is not available in the current SDK version, {@link #stepStatus} will return {@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #stepStatusAsString}. The raw value returned by the service is available from

@code

@endcode

"getterModel" : {

"returnType" : "String",
"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StepStatus",
"queryString" : false,
"statusCode" : false,
"statusCode" : false,
"unmarshallLocationName" : "StepStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StepStatus",
"sensitive" : false,
"setterDocumentation" : "<p> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@param stepStatus One of 4 statuses that a step can go through returned as part of the <code><a>GetUpgradeStatusResponse</a></code> object. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus",
"setterMethodName" : "setStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "stepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getUpgradeName",
  "beanStyleSetterMethodName" : "setUpgradeName",
  "c2jName" : "UpgradeName",
  "c2jShape" : "UpgradeName",
  "defaultConsumerFluentSetterDocumentation" : "<p>A string that describes the update briefly</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
When the `@link Consumer` completes, `@link String.Builder#build()` is called immediately and its result is passed to `@link #upgradeName(String)`.

@see #upgradeName(String)
"sensitive": false,
"setterDocumentation": "<p>A string that describes the update briefly</p>\n@param upgradeName A string that describes the update briefly",
"setterMethodName": "setUpgradeName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": "<p>A string that describes the update briefly</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "GetUpgradeStatusResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "GetUpgradeStatusResponse",
  "variableName": "getUpgradeStatusResponse",
  "variableType": "GetUpgradeStatusResponse",
  "documentation": null,
  "simpleType": "GetUpgradeStatusResponse",
  "variableSetterType": "GetUpgradeStatusResponse"
},
"wrapper": false
},
"InstanceCountLimits": {
  "c2jName": "InstanceCountLimits",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
InstanceCountLimits represents the limits on number of instances that be created in Amazon Elasticsearch for given InstanceType.

```java
public class InstanceCountLimits {
    private Integer minimumInstanceCount;

    public InstanceCountLimits() {
        this.minimumInstanceCount = 0;
    }

    public void setMinimumInstanceCount(int value) {
        this.minimumInstanceCount = value;
    }

    public int getMinimumInstanceCount() {
        return this.minimumInstanceCount;
    }
}
```

This is a convenience that creates an instance of the `Integer.Builder` avoiding the need to create one manually via `Integer.builder()`. When the `Consumer` completes, `Integer.Builder.build()` is called immediately and its result is passed to `minimumInstanceCount(Integer)`. Returns a reference to this object so that method calls can be chained together.

```java
public class InstanceCountLimits {
    private Integer minimumInstanceCount;

    public InstanceCountLimits() {
        this.minimumInstanceCount = 0;
    }

    public void setMinimumInstanceCount(int value) {
        this.minimumInstanceCount = value;
    }

    public int getMinimumInstanceCount() {
        return this.minimumInstanceCount;
    }
}
```

The new value for the MinimumInstanceCount property for this object.

```java
public class InstanceCountLimits {
    private Integer minimumInstanceCount;

    public InstanceCountLimits() {
        this.minimumInstanceCount = 0;
    }

    public void setMinimumInstanceCount(int value) {
        this.minimumInstanceCount = value;
    }

    public int getMinimumInstanceCount() {
        return this.minimumInstanceCount;
    }
}
```

The value of the MinimumInstanceCount property for this object.

```java
public class InstanceCountLimits {
    private Integer minimumInstanceCount;

    public InstanceCountLimits() {
        this.minimumInstanceCount = 0;
    }

    public void setMinimumInstanceCount(int value) {
        this.minimumInstanceCount = value;
    }

    public int getMinimumInstanceCount() {
        return this.minimumInstanceCount;
    }
}
```
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "MinimumInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MinimumInstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.

@param
minimumInstanceCount The new value for the MinimumInstanceCount property for this object.
",
"setterMethodName" : "setMinimumInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"}
The new value for the MaximumInstanceCount property for this object.

@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object.

setterMethodName": "setMaximumInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "maximumInstanceCount",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
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"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "maximumInstanceCount",
  "variableType": "Integer",
  "documentation": "",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
  "MaximumInstanceCount": {
    "beanStyleGetterMethodName": "getMaximumInstanceCount",
    "beanStyleSetterMethodName": "setMaximumInstanceCount",
    "c2jName": "MaximumInstanceCount",
    "c2jShape": "MaximumInstanceCount",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the MaximumInstanceCount property for this object. This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer.Builder#build()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link MaximumInstanceCount(Integer)}. @param maximumInstanceCount a consumer that will call methods on { @link Integer.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #maximumInstanceCount(Integer)",
    "deprecated": false,}
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "maximumInstanceCount",
"fluentSetterDocumentation": "Sets the value of the MaximumInstanceCount property for this object.\n\n@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "maximumInstanceCount",
"getterDocumentation": "Returns the value of the MaximumInstanceCount property for this object.\n\n@return The value of the MaximumInstanceCount property for this object."
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "MaximumInstanceCount",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "MaximumInstanceCount",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "MaximumInstanceCount",
"sensitive": false,
"setterDocumentation": "Sets the value of the MaximumInstanceCount property for this object.\n\n@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object."
"setterMethodName": "setMaximumInstanceCount",
"setterModel": {
"variableDeclarationType" : "Integer",
"variableName" : "maximumInstanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maximumInstanceCount",
  "variableType" : "Integer",
  "documentation" : "",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
},
"MinimumInstanceCount" : {
  "beanStyleGetterMethodName" : "getMinimumInstanceCount",
  "beanStyleSetterMethodName" : "setMinimumInstanceCount",
  "c2jName" : "MinimumInstanceCount",
  "c2jShape" : "MinimumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object. This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #minimumInstanceCount(Integer)}.

@param minimumInstanceCount a consumer that will call methods on { @link Integer.Builder}|\n@return Returns a reference to this object so that method calls can be chained together.
@see #minimumInstanceCount(Integer)"
,  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "minimumInstanceCount",
  "fluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object. The new value for the MinimumInstanceCount property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "minimumInstanceCount",
  "getterDocumentation" : "Returns the value of the MinimumInstanceCount property for this object.\n@return The value of the MinimumInstanceCount property for this object."
,  "getterModel" : {
    "returnType" : "Integer"
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "MinimumInstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "MinimumInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object.\n@\n
minimumInstanceCount The new value for the MinimumInstanceCount property for this object.".,
"setterMethodName" : "setMinimumInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "minimumInstanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "minimumInstanceCount",
"variableType" : "Integer",
"documentation" : ",",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
"xmlnsSpaceUri" : null
}

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getMinimumInstanceCount",
  "beanStyleSetterMethodName" : "setMinimumInstanceCount",
  "c2jName" : "MinimumInstanceCount",
  "c2jShape" : "MinimumInstanceCount",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this
object. This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create
one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link
Integer.Builder#build()} is called immediately and its result is passed to { @link
#minimumInstanceCount(Integer)}.
@see The new value for the MinimumInstanceCount property for this
object. The value of the MinimumInstanceCount property for this
object. Returns a reference to this object so that method calls can be chained together.
@return Returns a reference to this object so that method calls can be chained together.

  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "minimumInstanceCount",
  "fluentSetterDocumentation" : "Sets the value of the MinimumInstanceCount property for this
object. The new value for the MinimumInstanceCount property for this
object. Returns a reference to this object so that method calls can be chained together.

  "fluentSetterMethodName" : "minimumInstanceCount",
  "getterDocumentation" : "Returns the value of the MinimumInstanceCount property for this object.

  "getterModel" : {
    "returnType" : "Integer",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "MinimumInstanceCount",
    "queryString" : false,
    "statusCode" : false,
}
"unmarshallLocationName" : "MinimumInstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MinimumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MinimumInstanceCount property for this object. 

@\param minimumInstanceCount The new value for the MinimumInstanceCount property for this object.!
"setterMethodName" : "setMinimumInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "minimumInstanceCount",
  "variableType" : "Integer",
  "documentation" : 
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaximumInstanceCount",
"beanStyleSetterMethodName" : "setMaximumInstanceCount",
"c2jName" : "MaximumInstanceCount",
"c2jShape" : "MaximumInstanceCount",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object. 

This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. 

When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link 
#maximumInstanceCount(Integer)}@return Returns a reference to this object so that method calls can be chained together. 

@see #maximumInstanceCount(Integer)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maximumInstanceCount",
"fluentSetterDocumentation" : "Sets the value of the MaximumInstanceCount property for this
do\n\n@param maximumInstanceCount The new value for the MaximumInstanceCount property for this
do\n@return Returns a reference to this object so that method calls can be chained together.".
"fluentSetterMethodName" : "maximumInstanceCount",
"getterDocumentation" : "Returns the value of the MaximumInstanceCount property for this object.\n\n@return The value of the MaximumInstanceCount property for this object.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "MaximumInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "MaximumInstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaximumInstanceCount",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the MaximumInstanceCount property for this object.\n\n@param maximumInstanceCount The new value for the MaximumInstanceCount property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMaximumInstanceCount",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maximumInstanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maximumInstanceCount",
"variableType" : "Integer",
"documentation" : "",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InstanceCountLimits",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "InstanceCountLimits",
"variableName" : "instanceCountLimits",
"variableType" : "InstanceCountLimits",
"documentation" : null,
"simpleType" : "InstanceCountLimits",
"variableSetterType" : "InstanceCountLimits"
},
"wrapper" : false
},
"InstanceLimits" : {
"c2jName" : "InstanceLimits",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"variableLimits" : {
"c2jName" : "InstanceLimits",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"documentation" : "<p>InstanceLimits represents the list of instance related attributes that are available for given InstanceType. </p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getInstanceCountLimits",
  "beanStyleSetterMethodName" : "setInstanceCountLimits",
  "c2jName" : "InstanceCountLimits",
  "c2jShape" : "InstanceCountLimits",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object. This is a convenience that creates an instance of the [ @link InstanceCountLimits.Builder ] avoiding the need to create one manually via [ @link InstanceCountLimits.Builder ] . When the [ @link Consumer ] completes, [ @link InstanceCountLimits.Builder#build ] is called immediately and its result is passed to [ @link InstanceCountLimits(InstanceCountLimits) ].
  @param instanceCountLimits a consumer that will call methods on [ @link InstanceCountLimits.Builder ];
  @return Returns a reference to this object so that method calls can be chained together. See #instanceCountLimits(InstanceCountLimits),
  
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "instanceCountLimits",
  "fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.
  @param instanceCountLimits The new value for the InstanceCountLimits property for this object.
  @return Returns a reference to this object so that method calls can be chained together.",
  "getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.
  @return The value of the InstanceCountLimits property for this object.",
  "getterModel" : {
    "returnType" : "InstanceCountLimits",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
  }
}];
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCountLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCountLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceCountLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.

@param
instanceCountLimits The new value for the InstanceCountLimits property for this object."

"setterMethodName" : "setInstanceCountLimits",
"setterModel" : {
  "variableDeclarationType" : "InstanceCountLimits",
  "variableName" : "instanceCountLimits",
  "variableType" : "InstanceCountLimits",
  "documentation" : null,
  "simpleType" : "InstanceCountLimits",
  "variableSetterType" : "InstanceCountLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "InstanceCountLimits",
  "variableName" : "instanceCountLimits",
  "variableType" : "InstanceCountLimits",
  "documentation" : "",
  "simpleType" : "InstanceCountLimits",
  "variableSetterType" : "InstanceCountLimits"
},
"xmlNameSpaceUri" : null
} ]},
"membersAsMap" : {
  "InstanceCountLimits" : {
...
"beanStyleGetterMethodName" : "getInstanceCountLimits",
"beanStyleSetterMethodName" : "setInstanceCountLimits",
"c2jName" : "InstanceCountLimits",
"c2jShape" : "InstanceCountLimits",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object. This is a convenience that creates an instance of the {@link InstanceCountLimits.Builder} avoiding the need to create one manually via {@link InstanceCountLimits#builder()}. When the {@link Consumer} completes, {@link InstanceCountLimits.Builder#build()} is called immediately and its result is passed to {@link InstanceCountLimits(InstanceCountLimits) a consumer that will call methods on InstanceCountLimits.a consumer that will call methods on InstanceCountLimits.a consumer that will call methods on InstanceCountLimits}

@return Returns a reference to this object so that method calls can be chained together.

@see #instanceCountLimits(InstanceCountLimits)"

"fluentSetterMethodName" : "instanceCountLimits",
"getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.

@return The value of the InstanceCountLimits property for this object.

"getterModel" : {
  "returnType" : "InstanceCountLimits",
  "documentation" : "null"
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "InstanceCountLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceCountLimits",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "InstanceCountLimits",
"sensitive": false,
"setterDocumentation": "Sets the value of the InstanceCountLimits property for this object.

@param instanceCountLimits The new value for the InstanceCountLimits property for this object."
"setterMethodName": "setInstanceCountLimits",
"setterModel": {
  "variableDeclarationType": "InstanceCountLimits",
  "variableName": "instanceCountLimits",
  "variableType": "InstanceCountLimits",
  "documentation": null,
  "simpleType": "InstanceCountLimits",
  "variableSetterType": "InstanceCountLimits"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "InstanceCountLimits",
  "variableName": "instanceCountLimits",
  "variableType": "InstanceCountLimits",
  "documentation": null,
  "simpleType": "InstanceCountLimits",
  "variableSetterType": "InstanceCountLimits"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [
  {
    "beanStyleGetterMethodName": "getInstanceCountLimits",
    "beanStyleSetterMethodName": "setInstanceCountLimits",
    "c2jName": "InstanceCountLimits",
    "c2jShape": "InstanceCountLimits",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the InstanceCountLimits property for this object. This is a convenience that creates an instance of the [InstanceIdCountLimits.Builder] avoiding the need to create one manually via [InstanceIdCountLimits#builder()]. When the [Consumer] completes, [InstanceIdCountLimits.Builder#build()] is called immediately and its result is passed to [InstanceIdCountLimits(InstanceIdCountLimits)].

@see InstanceCountLimits(InstanceIdCountLimits)"
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCountLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.\n\n@\nparam\ninstanceCountLimits The new value for the InstanceCountLimits property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceCountLimits",
"getterDocumentation" : "Returns the value of the InstanceCountLimits property for this object.\n\n@return The value of the InstanceCountLimits property for this object."
"getterModel" : {  
"returnType" : "InstanceCountLimits",
"documentation" : null
},
"http" : {  
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCountLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCountLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceCountLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceCountLimits property for this object.\n\n@\nparam\ninstanceCountLimits The new value for the InstanceCountLimits property for this object."
"setterMethodName" : "setInstanceCountLimits",
"setterModel" : {  
"variableDeclarationType" : "InstanceCountLimits",
"variableName" : "instanceCountLimits",
"variableType" : "InstanceCountLimits",
"variableValue" : null
}
"documentation": null,
"simpleType": "InstanceCountLimits",
"variableSetterType": "InstanceCountLimits"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "InstanceCountLimits",
  "variableName": "instanceCountLimits",
  "variableType": "InstanceCountLimits",
  "documentation": "",
  "simpleType": "InstanceCountLimits",
  "variableSetterType": "InstanceCountLimits"
},
"xmlNameSpaceUri": null
}
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "InstanceLimits",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "InstanceLimits",
  "variableName": "instanceLimits",
  "variableType": "InstanceLimits",
  "documentation": null,
  "simpleType": "InstanceLimits",
  "variableSetterType": "InstanceLimits"
},
"wrapper": false
},
"InternalServerError": {
  "c2jName": "InternalServerError",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</p>",
  "endpointDiscovery": null
"enums" : null,
"errorCode" : "InternalException",
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 500,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InternalException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : { 
  "variableDeclarationType" : "InternalException",
  "variableName" : "internalException",
  "variableType" : "InternalException",
  "documentation" : null,
  "simpleType" : "InternalException",
  "variableSetterType" : "InternalException"
},
"wrapper" : false
},
"InvalidTypeException" : {
  "c2jName" : "InvalidTypeException",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "An exception for trying to create or access sub-resource that is either invalid or not supported. Gives http status code of 409."",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "InvalidTypeException",
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 409,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "InvalidTypeException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "InvalidTypeException",
  "variableName" : "invalidTypeException",
  "variableType" : "InvalidTypeException",
  "documentation" : null,
  "simpleType" : "InvalidTypeException",
  "variableSetterType" : "InvalidTypeException"
},
"wrapper" : false
}

"LimitExceededException" : {
  "c2jName" : "LimitExceededException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>An exception for trying to create more than allowed resources or sub-resources. Gives http status code of 409.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "LimitExceededException",
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : 409,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "LimitExceededException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : { 
  "variableDeclarationType" : "LimitExceededException",
  "variableName" : "limitExceededException",
  "variableType" : "LimitExceededException",
  "documentation" : null,
  "simpleType" : "LimitExceededException",
  "variableSetterType" : "LimitExceededException"
},
"wrapper" : false
},
"Limits" : {
  "c2jName" : "Limits",
  "customization" : { 
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Limits for given InstanceType and for each of it's role. <br/> Limits contains following <code> <a>StorageTypes</a> </code> <code> <a>InstanceLimits</a> </code> and <code> <a>AdditionalLimits</a> </code> </p> ",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ ]
  "beanStyleGetterMethodName" : "getStorageTypes",
  "beanStyleSetterMethodName" : "setStorageTypes",}
"c2jName" : "StorageTypes",
"c2jShape" : "StorageTypeList",
"defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. This is a convenience that creates an instance of the { @link List<StorageType>.Builder} avoiding the need to create one manually via { @link List<StorageType>#builder()}.<br>When the { @link Consumer} completes, { @link List<StorageType>.Builder#build()} is called immediately and its result is passed to { @link #storageTypes(List<StorageType>)}.<br>@param storageTypes a consumer that will call methods on { @link List<StorageType>.Builder} to build a reference to this object so that method calls can be chained together.<br>@see #storageTypes(List<StorageType>)",
"deprecated" : false,
"documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <p></p>\n\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypes",
"fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <p><p>@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.<p>@return Returns a reference to this object so that method calls can be chained together.'",
"fluentSetterMethodName" : "storageTypes",
"getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. <p><p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.<p>@return StorageType represents the list of storage related types and attributes that are available for given InstanceType.'",
"getterModel" : { 
"returnType" : "java.util.List<StorageType> ",
"documentation" : null 
},
"http" : { 
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypes",
"uri" : false
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "StorageType",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the { @link StorageType.Builder} avoiding the need to create one manually via { @link StorageType.Builder()}. When the { @link Consumer} completes, { @link StorageType.Builder#build()} is called immediately and its result is passed to { @link #member(StorageType)}.\n\n@see #member(StorageType)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@see #member(StorageType)\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "member",
  "getterDocumentation": "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
  "getterModel": {
    "returnType": "StorageType",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StorageType",
  "variableName" : "member",
  "variableType" : "StorageType",
  "documentation" : null,
  "simpleType" : "StorageType",
  "variableSetterType" : "StorageType"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "StorageType",
  "variableName" : "member",
  "variableType" : "StorageType",
  "documentation" : "",
  "simpleType" : "StorageType",
  "variableSetterType" : "StorageType"
},
"xmlNameSpaceUri" : null
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"memberLocationName" : null,
"memberType" : "StorageType",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>"
"templateType": "java.util.List<StorageType>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StorageTypes",
"sensitive": false,
"setterDocumentation": "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.",
"setterMethodName": "setStorageTypes",
"setterModel": {
  "variableDeclarationType": "java.util.List<StorageType>",
  "variableName": "storageTypes",
  "variableType": "java.util.List<StorageType>",
  "documentation": null,
  "simpleType": "List<StorageType>",
  "variableSetterType": "java.util.Collection<StorageType>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<StorageType>",
  "variableName": "storageTypes",
  "variableType": "java.util.List<StorageType>",
  "documentation": "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
",
  "simpleType": "List<StorageType>",
  "variableSetterType": "java.util.Collection<StorageType>"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getInstanceLimits",
"beanStyleSetterMethodName": "setInstanceLimits",
"c2jName": "InstanceLimits",
"c2jShape": "InstanceLimits",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the InstanceLimits property for this object.

This is a convenience that creates an instance of the {@link InstanceLimits.Builder} avoiding the need to create one manually via {@link InstanceLimits#builder()}. When the {@link Consumer} completes, the result is passed to {@link #instanceLimits(InstanceLimits)}.

@see #instanceLimits(InstanceLimits)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventType": false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n@\n@param instanceLimits The new value for the InstanceLimits property for this object.\n@\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceLimits",
"getterDocumentation" : "Returns the value of the InstanceLimits property for this object.\n@\n@return The value of the InstanceLimits property for this object.",
"getterModel" : {
"returnType" : "InstanceLimits",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n@\n@param instanceLimits The new value for the InstanceLimits property for this object.\n@\n@return Sets the value of the InstanceLimits property for this object."
"setterMethodName" : "setInstanceLimits",
"setterModel" : {
"variableDeclarationType" : "InstanceLimits",
"variableName" : "instanceLimits",
"variableType" : "InstanceLimits",
"documentation" : null,
"simpleType" : "InstanceLimits",
"variableSetterType" : "InstanceLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "InstanceLimits",
"variableName" : "instanceLimits",
"variableType" : "InstanceLimits",
"documentation" : "",
"simpleType" : "InstanceLimits",
"variableSetterType" : "InstanceLimits"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getAdditionalLimits",
"beanStyleSetterMethodName" : "setAdditionalLimits",
"c2jName" : "AdditionalLimits",
"c2jShape" : "AdditionalLimitList",
"defaultConsumerFluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. This is a convenience that creates an instance of the { @link List&lt;AdditionalLimit&gt; .Builder} avoiding the need to create one manually via { @link List&lt;AdditionalLimit&gt;#builder()}.

When the { @link Consumer} completes, { @link List&lt;AdditionalLimit&gt;#build()} is called immediately and its result is passed to { @link #additionalLimits(List&lt;AdditionalLimit&gt;)}.

@param additionalLimits a consumer that will call methods on { @link List&lt;AdditionalLimit&gt; .Builder}.

@return Returns a reference to this object so that method calls can be chained together.
@see #additionalLimits(List&lt;AdditionalLimit&gt;)",
"deprecated" : false,
"documentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code>&lt;a&gt;InstanceRole&lt;/a&gt;</code>. 

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"documentation": null,
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AdditionalLimits",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AdditionalLimits",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "AdditionalLimit",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}. When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.

@link #member(AdditionalLimit)\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
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  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
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  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
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  "eventPayload": false,
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  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {
   "returnType" : "AdditionalLimit",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "member",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "member",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"_sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "AdditionalLimit",
   "variableName" : "member",
   "variableType" : "AdditionalLimit",
   "documentation" : null,
   "simpleType" : "AdditionalLimit",
   "variableSetterType" : "AdditionalLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "AdditionalLimit",
   "variableName" : "member",
   "variableType" : "AdditionalLimit",
   "documentation" : null,
   "simpleType" : "AdditionalLimit",
   "variableSetterType" : "AdditionalLimit"}
"variableDeclarationType" : "AdditionalLimit",
"variableName" : "member",
"variableType" : "AdditionalLimit",
"documentation" : "",
"simpleType" : "AdditionalLimit",
"variableSetterType" : "AdditionalLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"sensitive" : false,
"setterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . </p>
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> .",
"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>
  
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . </p>",
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>
  
},
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "AdditionalLimits" : {
    "beanStyleGetterMethodName" : "getAdditionalLimits",
    "beanStyleSetterMethodName" : "setAdditionalLimits",
    "c2jName" : "AdditionalLimits",
    "c2jShape" : "AdditionalLimitList",
    "defaultConsumerFluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>. </p>
This is a convenience that creates an instance of the {
@link List<AdditionalLimit>.Builder} avoiding the need to create one manually via {
@link List<AdditionalLimit>#builder()}. When the {
@link Consumer} completes, {
@link List<AdditionalLimit>.Builder#build()} is called immediately and its result is passed to {
@link #additionalLimits(List<AdditionalLimit>)}. {
@param additionalLimits a consumer that will call methods on {
@link List<AdditionalLimit>.Builder}}

"documentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "additionalLimits",
  "fluentSetterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>. </p>
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>. </p>

"getterModel" : {
  "returnType" : "java.util.List<AdditionalLimit>",
  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
}
"marshallLocationName": "AdditionalLimits",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AdditionalLimits",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "AdditionalLimit",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit.Builder#builder()}. When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.\n@param member a consumer that will call methods on { @link AdditionalLimit.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(AdditionalLimit)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "member",
  "fluentSetterDocumentation": "Sets the value of the Member property for this object. \n@returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName": "member",
  "getterDocumentation": "Returns the value of the Member property for this object.\n@returns The value of the Member property for this object.\ngetterModel": {
  "returnType": "AdditionalLimit",
  "documentation": null
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  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
  }
}
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "AdditionalLimit",
"variableName" : "member",
"variableType" : "AdditionalLimit",
"documentation" : null,
"simpleType" : "AdditionalLimit",
"variableSetterType" : "AdditionalLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "AdditionalLimit",
"variableName" : "member",
"variableType" : "AdditionalLimit",
"documentation" : "",
"simpleType" : "AdditionalLimit",
"variableSetterType" : "AdditionalLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"sensitive" : false,
"setterDocumentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. </p>
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.

", 
"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
 "variableDeclarationType" : "java.util.List<AdditionalLimit>",
 "variableName" : "additionalLimits",
 "variableType" : "java.util.List<AdditionalLimit>",
 "documentation" : null,
 "simpleType" : "List<AdditionalLimit>",
 "variableSetterType" : "java.util.Collection<AdditionalLimit>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.util.List<AdditionalLimit>",
 "variableName" : "additionalLimits",
 "variableType" : "java.util.List<AdditionalLimit>",
 "documentation" : "<p>List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. </p>

"xmlNameSpaceUri" : null
},
"InstanceLimits" : {
 "beanStyleGetterMethodName" : "getInstanceLimits",
 "beanStyleSetterMethodName" : "setInstanceLimits",
 "c2jName" : "InstanceLimits",
 "c2jShape" : "InstanceLimits",
 "defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object. This is a convenience that creates an instance of the [@link InstanceLimits.Builder] avoiding the need to create one manually via [@link InstanceLimits#builder()]. When the [@link Consumer] completes, [@link InstanceLimits.Builder#build()] is called immediately and its result is passed to [@link #instanceLimits(InstanceLimits)].

@param instanceLimits a consumer that will call methods on [@link InstanceLimits.Builder]

@return Returns a reference to this object so that method calls can be chained

"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
null@see #instanceLimits(InstanceLimits)
,"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "instanceLimits",
"fluentSetterDocumentation": "Sets the value of the InstanceLimits property for this object."
@param instanceLimits The new value for the InstanceLimits property for this object.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName": "instanceLimits",
"getterDocumentation": "Returns the value of the InstanceLimits property for this object."
@param instanceLimits The new value for the InstanceLimits property for this object.
@return The value of the InstanceLimits property for this object."
,"getterModel": {
   "returnType": "InstanceLimits",
   "documentation": null
 },
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "InstanceLimits",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "InstanceLimits",
   "uri": false
 },
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "InstanceLimits",
"sensitive": false,
"setterDocumentation": "Sets the value of the InstanceLimits property for this object."
@param instanceLimits The new value for the InstanceLimits property for this object."
"setterMethodName" : "setInstanceLimits",
"setterModel" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : null,
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : null,
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
},
"xmlNameSpaceUri" : null
},
"StorageTypes" : {
  "beanStyleGetterMethodName" : "getStorageTypes",
  "beanStyleSetterMethodName" : "setStorageTypes",
  "c2jName" : "StorageTypes",
  "c2jShape" : "StorageTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. This is a convenience that creates an instance of the {@link List<StorageType>.Builder} avoiding the need to create one manually via {@link List<StorageType>#builder()}.
When the {@link Consumer} completes, {@link List<StorageType>.Builder#build()} is called immediately and its result is passed to {@link #storageTypes(List<StorageType>)}.
@param storageTypes a consumer that will call methods on {@link List<StorageType>.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #storageTypes(List<StorageType>)",
  "deprecated" : false,
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypes",
  "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>";

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"getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
<p>@return StorageType represents the list of storage related types and attributes that are available for given InstanceType.",

"getterModel" : {
  "returnType" : "java.util.List<StorageType>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageTypes",
  "queryString" : false,
  "unmarshallLocationName" : "StorageTypes",
  "uri" : false
},

"idempotencyToken" : false,

"implType" : "java.util.ArrayList",

"listModel" : {
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "StorageType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link StorageType.Builder} avoiding the need to create one manually via {@link StorageType.Builder#build()}. When the {@link Consumer} completes, {@link StorageType.Builder#build()} is called immediately and its result is passed to {@link StorageType.Builder#member(StorageType)}. When a reference to this object so that method calls can be chained together.

  @param member a consumer that will call methods on {@link StorageType.Builder}
  @return Returns a reference to this object so that method calls can be chained together.

  @deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "StorageType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link StorageType.Builder} avoiding the need to create one manually via {@link StorageType.Builder#build()}. When the {@link Consumer} completes, {@link StorageType.Builder#build()} is called immediately and its result is passed to {@link StorageType.Builder#member(StorageType)}. When a reference to this object so that method calls can be chained together.

  @param member a consumer that will call methods on {@link StorageType.Builder}
  @return Returns a reference to this object so that method calls can be chained together.

  @deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
}
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "StorageType",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "StorageType",
"variableName" : "member",
"variableType" : "StorageType"}
StorageType represents the list of storage related types and attributes that are available for given InstanceType. 

```
@<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType.</p>

@<p>\n
```

```

```
"variableType" : "java.util.List<StorageType>",
"documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
"simpleType" : "List<StorageType>",
"variableSetterType" : "java.util.Collection<StorageType>"
},
"xmlNameSpaceUri" : null
}

"nonStreamingMembers" : [ 
  "beanStyleGetterMethodName" : "getStorageTypes",
  "beanStyleSetterMethodName" : "setStorageTypes",
  "c2jName" : "StorageTypes",
  "c2jShape" : "StorageTypeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>This is a convenience that creates an instance of the [@link List<StorageType>.Builder] avoiding the need to create one manually via [@link List<StorageType>#builder()]. When the [@link Consumer] completes, [@link List<StorageType>.Builder#build()] is called immediately and its result is passed to [@link #storageTypes(List<StorageType>)].

When the [@link Consumer] completes, [@link List<StorageType>.Builder#build()] is called immediately and its result is passed to [@link #storageTypes(List<StorageType>)].

@see #storageTypes(List<StorageType>)",
  "deprecated" : false,
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypes",
  "fluentSetterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.
@return Returns a reference to this object so that method calls can be chained together.
@see #storageTypes(List<StorageType>)",
  "fluentSetterMethodName" : "storageTypes",
  "getterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see #storageTypes(List<StorageType>)

@return StorageType represents the list of storage related types and attributes that are available for given InstanceType.
@see #storageTypes(List<StorageType>)",
  "getterModel" : {
    "returnType" : "java.util.List<StorageType>",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
  
  "getterMethod" : {
    "returnType" : "java.util.List<StorageType>",
    "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
"returnType" : "StorageType",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "StorageType",
  "variableName": "member",
  "variableType": "StorageType",
  "documentation": null,
  "simpleType": "StorageType",
  "variableSetterType": "StorageType"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "StorageType",
  "variableName": "member",
  "variableType": "StorageType",
  "documentation": "",
  "simpleType": "StorageType"}
"variableSetterType" : "StorageType"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "StorageType",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageType",
"templateImplType" : "java.util.ArrayList<StorageType>",
"templateType" : "java.util.List<StorageType>
}
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypes",
"sensitive" : false,
"setterDocumentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
@param storageTypes StorageType represents the list of storage related types and attributes that are available for given InstanceType.",
"setterMethodName" : "setStorageTypes",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<StorageType>",
  "variableName" : "storageTypes",
  "variableType" : "java.util.List<StorageType>",
  "documentation" : null,
  "simpleType" : "List<StorageType>",
  "variableSetterType" : "java.util.Collection<StorageType>
}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<StorageType>",
  "variableName" : "storageTypes",
  "variableType" : "java.util.List<StorageType>",
  "documentation" : "<p>StorageType represents the list of storage related types and attributes that are available for given InstanceType. </p>
",
  "simpleType" : "List<StorageType>",
  "variableSetterType" : "java.util.Collection<StorageType>
}
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getInstanceLimits",
"beanStyleSetterMethodName" : "setInstanceLimits",
"c2jName" : "InstanceLimits",
"c2jShape" : "InstanceLimits"
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.

This is a convenience that creates an instance of the [InstanceLimits.Builder] avoiding the need to create one manually via InstanceLimits.Builder().

When the [Consumer] completes, InstanceLimits.Builder.build() is called immediately and its result is passed to InstanceLimits.Builder() returns a consumer that will call methods on InstanceLimits.Builder() parameter instanceLimits a consumer that will call methods on InstanceLimits.Builder().

@return Returns a reference to this object so that method calls can be chained together.

@see #instanceLimits(InstanceLimits)",
"deprecated" : false,
"documentation" : "",
"enumDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceLimits",
"fluentSetterDocumentation" : "Sets the value of the InstanceLimits property for this object.

@param instanceLimits The new value for the InstanceLimits property for this object.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "instanceLimits",
"getterDocumentation" : "Returns the value of the InstanceLimits property for this object.

@return The value of the InstanceLimits property for this object.

"getterModel" : {
  "returnType" : "InstanceLimits",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "InstanceLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "InstanceLimits",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "InstanceLimits",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the InstanceLimits property for this object.\n\n@\n@param
instanceLimits The new value for the InstanceLimits property for this object.",
"setterMethodName" : "setInstanceLimits",
"setterModel" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : null,
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "InstanceLimits",
  "variableName" : "instanceLimits",
  "variableType" : "InstanceLimits",
  "documentation" : null,
  "simpleType" : "InstanceLimits",
  "variableSetterType" : "InstanceLimits"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAdditionalLimits",
"beanStyleSetterMethodName" : "setAdditionalLimits",
"c2jName" : "AdditionalLimits",
"c2jShape" : "AdditionalLimitList",
"defaultConsumerFluentSetterDocumentation" : "<p> List of additional limits that are specific to a given
InstanceType and for each of it's <code> <a>InstanceRole</a> </code> . </p>
This is a convenience that creates an
instance of the { @link List<AdditionalLimit>.Builder} avoiding the need to create one manually via { @link
List<AdditionalLimit>#build()}.\n\nWhen the { @link Consumer} completes, { @link
List<AdditionalLimit>.Builder#build()} is called immediately and its result is passed to { @link
#additionalLimits(List<AdditionalLimit>)}\n@\n@param additionalLimits a consumer that will call methods on
{ @link List<AdditionalLimit>.Builder}\n@\n@return Returns a reference to this object so that method calls can be
chained together.\n@\n@see #additionalLimits(List<AdditionalLimit>)",
"deprecated" : false,
"documentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's
<code> <a>InstanceRole</a> </code> . </p>\nendpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "additionalLimits",
"fluentSetterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code> .
@param additionalLimits List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>.
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "additionalLimits",
"getterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>.
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return List of additional limits that are specific to a given InstanceType and for each of it's <code> <a>InstanceRole</a> </code>.
"getterModel" : {
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.  
This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}.  
When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.  
@throws NullPointerException when the member is null.

@methodInvocation("member")
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.  
This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}.  
When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.  
@throws NullPointerException when the member is null.

@methodInvocation("member")
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.  
This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}.  
When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.  
@throws NullPointerException when the member is null.

@methodInvocation("member")
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.  
This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}.  
When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.  
@throws NullPointerException when the member is null.

@methodInvocation("member")
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "AdditionalLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.  
This is a convenience that creates an instance of the { @link AdditionalLimit.Builder} avoiding the need to create one manually via { @link AdditionalLimit#builder()}.  
When the { @link Consumer} completes, { @link AdditionalLimit.Builder#build()} is called immediately and its result is passed to { @link #member(AdditionalLimit)}.  
@throws NullPointerException when the member is null.

@methodInvocation("member")
"returnType" : "java.util.List<AdditionalLimit>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdditionalLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdditionalLimits",
"uri" : false
},
"idempotencyToken" : false,
The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(AdditionalLimit)

Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

Returns the value of the Member property for this object.

@return The value of the Member property for this object.

The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

@see #member(AdditionalLimit)
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : null,
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "AdditionalLimit",
  "variableName" : "member",
  "variableType" : "AdditionalLimit",
  "documentation" : null,
  "simpleType" : "AdditionalLimit",
  "variableSetterType" : "AdditionalLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "AdditionalLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "AdditionalLimit",
"templateImplType" : "java.util.ArrayList<AdditionalLimit>",
"templateType" : "java.util.List<AdditionalLimit>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AdditionalLimits",
"sensitive" : false,
"setterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of
it's <code><a>InstanceRole</a></code>. </p>
@param additionalLimits List of additional limits that are specific
to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.
"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>",
},
"setterDocumentation" : "<p> List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>. </p>
@param additionalLimits List of additional limits that are specific
to a given InstanceType and for each of it's <code><a>InstanceRole</a></code>.
"setterMethodName" : "setAdditionalLimits",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<AdditionalLimit>",
  "variableName" : "additionalLimits",
  "variableType" : "java.util.List<AdditionalLimit>",
  "documentation" : null,
  "simpleType" : "List<AdditionalLimit>",
  "variableSetterType" : "java.util.Collection<AdditionalLimit>",
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<AdditionalLimit>",
  "variableName": "additionalLimits",
  "variableType": "java.util.List<AdditionalLimit>",
  "documentation": " <p> List of additional limits that are specific to a given InstanceType and for each of it's <code><a>InstanceRole</a></code> </p> ,
  "simpleType": "List<AdditionalLimit>",
  "variableSetterType": "java.util.Collection<AdditionalLimit>"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "Limits",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "Limits",
  "variableName": "limits",
  "variableType": "Limits",
  "documentation": null,
  "simpleType": "Limits",
  "variableSetterType": "Limits"
},
"wrapper": false
},
"ListDomainNamesRequest": {
  "c2jName": "ListDomainNamesRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": null,
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "ListDomainNames",
  "locationName" : null,
  "requestUri" : "/2015-01-01/domain",
  "target" : null,
  "verb" : "GET",
  "xmlNameSpaceUri" : null
},
"members" : [ ],
"membersAsMap" : {},
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListDomainNamesRequest",
"simpleMethod" : true,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ListDomainNamesRequest",
  "variableName" : "listDomainNamesRequest",
  "variableType" : "ListDomainNamesRequest",
  "documentation" : null,
  "simpleType" : "ListDomainNamesRequest",
  "variableSetterType" : "ListDomainNamesRequest"
},
"wrapper" : false
},
"ListDomainNamesResponse" : {
  "c2jName" : "ListDomainNamesResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "The result of a <code>ListDomainNames</code> operation. Contains the names of all Elasticsearch domains owned by this account."
},
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getDomainNames",
  "beanStyleSetterMethodName" : "setDomainNames",
  "c2jName" : "DomainNames",
  "c2jShape" : "DomainInfoList",
  "defaultConsumerFluentSetterDocumentation" : "List of Elasticsearch domain names.\nThis is a convenience that creates an instance of the { @link List<DomainInfo>.Builder} avoiding the need to create one manually via { @link List<DomainInfo>#builder()}.\nWhen the { @link Consumer} completes, { @link List<DomainInfo>.Builder#build()} is called immediately and its result is passed to { @link #domainNames(List<DomainInfo>)}.\n@param domainNames a consumer that will call methods on { @link List<DomainInfo>.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainNames(List<DomainInfo>)",
  "deprecated" : false,
  "documentation" : "List of Elasticsearch domain names.\nAttempts to modify the collection returned by this method will result in a UnsupportedOperationException.\n@returns List of Elasticsearch domain names.\n@see #domainNames(List<DomainInfo>)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainNames",
  "fluentSetterDocumentation" : "List of Elasticsearch domain names.\nAttempts to modify the collection returned by this method will result in a UnsupportedOperationException.\n@returns List of Elasticsearch domain names.\n@see #domainNames(List<DomainInfo>)",
  "getterDocumentation" : "List of Elasticsearch domain names.\nAttempts to modify the collection returned by this method will result in a UnsupportedOperationException.\n@returns List of Elasticsearch domain names.\n@see #domainNames(List<DomainInfo>)",
  "getterModel" : { 
    "returnType" : "java.util.List<DomainInfo>"
  },
  "http" : { 
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainNames",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainNames",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainInfo",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \[@link DomainInfo.Builder\] avoiding the need to create one manually via \[@link DomainInfo#builder()\]. When the \[@link Consumer\] completes, \[@link DomainInfo.Builder#build()\] is called immediately and its result is passed to \[@link DomainInfo.Builder\]\n@\n@see #member(DomainInfo)",
    "deprecated" : false,
    "documentation" : null,
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.\n@\n@see #member(DomainInfo)"
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@\n@see #member(DomainInfo)"
    "getterModel" : {
      "returnType" : "DomainInfo",
      "documentation" : null
    },
    "http" : {

"additionalMarshallingPath": null,
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"flatenned": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "DomainInfo",
  "variableName": "member",
  "variableType": "DomainInfo",
  "documentation": null,
  "simpleType": "DomainInfo",
  "variableSetterType": "DomainInfo"
}
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "DomainInfo",
  "variableName": "member",
  "variableType": "DomainInfo",
  "documentation": "",
  "simpleType": "DomainInfo",
  "variableSetterType": "DomainInfo"
},
"xmlNameSpaceUri": null}
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "List of Elasticsearch domain names.

\@param domainNames List of Elasticsearch domain names."
,"setterMethodName" : "setDomainNames",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<DomainInfo>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<DomainInfo>",
    "documentation" : null,
    "simpleType" : "List<DomainInfo>",
    "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<DomainInfo>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<DomainInfo>",
    "documentation" : "List of Elasticsearch domain names.",
    "simpleType" : "List<DomainInfo>",
    "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
    "DomainNames" : {
        "beanStyleGetterMethodName" : "getDomainNames",
        "beanStyleSetterMethodName" : "setDomainNames",
        "c2jName" : "DomainNames",
        "c2jShape" : "DomainInfoList",
        "defaultConsumerFluentSetterDocumentation" : "List of Elasticsearch domain names.

This is a convenience that creates an instance of the \{@link List<DomainInfo>.Builder\} avoiding the need to create one manually via \{@link List<DomainInfo>#builder()\}. When the \{@link Consumer\} completes, \{@link List<DomainInfo>.Builder#build()\} is called immediately and its result is passed to \{@link
@param domainNames a consumer that will call methods on
@link List<DomainInfo>.Builder
@returns Returns a reference to this object so that method calls can be chained
together.
@see #domainNames(List<DomainInfo>)

"deprecated" : false,
"documentation" : "List of Elasticsearch domain names.,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainNames",
"fluentSetterDocumentation" : "List of Elasticsearch domain names.
@returns Returns a reference to this object so that method calls can be chained
together.",
"fluentSetterMethodName" : "domainNames",
"getterDocumentation" : "List of Elasticsearch domain names.
Attempts to modify the
collection returned by this method will result in an
UnsupportedOperationException.
@returns List of Elasticsearch domain names.,
"getterModel" : {
"returnType" : "java.util.List<DomainInfo>",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "DomainNames",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "DomainNames",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
 "implType" : "java.util.ArrayList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "beanStyleGetterMethodName" : "getMember",
 "camelCaseGetterMethodName" : "getMember",
 "camelCaseSetterMethodName" : "setMember",
 "getterMethodDetail" : {
 "getterName" : "getMember",
 "getterType" : "java.util.List<DomainInfo>",
 "inputType" : "null",
 "listMemberType" : "null",
 "getterDocumentation" : "null",
 "getterModel" : {
 "returnType" : "null",
 "documentation" : null
 },
 "httpMethodType" : "PUT",
 "marshallerMethodName" : "null",
 "marshallerMethodDetail" : {
 "marshallMethodName" : "null",
 "marshallerModel" : {
 "returnType" : "null",
 "documentation" : null
 }
 }
 }
 }}
}
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "DomainInfo",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link DomainInfo.Builder] avoiding the need to
create one manually via [@link DomainInfo#builder()].
When the [@link Consumer] completes, [@link DomainInfo.Builder#build()] is called immediately and its result is passed to [@link #member(DomainInfo)].
\n@see #member(DomainInfo)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
\n@param member a consumer that will call methods on [@link DomainInfo.Builder]
\n@return Returns a reference to this object so that method calls can be chained
together.
\n@see #member(DomainInfo)",
"getDocumentaton" : "Returns the value of the Member property for this object.
\n@param member The new value for the Member property for this object.
\n@return Returns a reference to this object so that method calls can be chained together.",
"getDocumentaton" : "Returns the value of the Member property for this object.
\n@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "DomainInfo",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
"setterMethodName": "setMember",
"setterModel": {
    "variableDeclarationType": "DomainInfo",
    "variableName": "member",
    "variableType": "DomainInfo",
    "documentation": null,
    "simpleType": "DomainInfo",
    "variableSetterType": "DomainInfo"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "DomainInfo",
    "variableName": "member",
    "variableType": "DomainInfo",
    "documentation": null,
    "simpleType": "DomainInfo",
    "variableSetterType": "DomainInfo"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "DomainInfo",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "DomainInfo",
"templateImplType": "java.util.ArrayList<DomainInfo>",
"templateType": "java.util.List<DomainInfo>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "DomainNames",
"sensitive": false,
"setterDocumentation": "<p>List of Elasticsearch domain names.</p>\n@param domainNames List of Elasticsearch domain names."
"setterMethodName": "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : null,
  "simpleType" : "List<DomainInfo>",
  "variableSetterType" : "java.util.Collection<DomainInfo>",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<DomainInfo>",
    "variableName" : "domainNames",
    "variableType" : "java.util.List<DomainInfo>",
    "documentation" : "List of Elasticsearch domain names.",
    "simpleType" : "List<DomainInfo>",
    "variableSetterType" : "java.util.Collection<DomainInfo>",
    "xmlNameSpaceUri" : null
  },
  "nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getDomainNames",
    "beanStyleSetterMethodName" : "setDomainNames",
    "c2jName" : "DomainNames",
    "c2jShape" : "DomainInfoList",
    "defaultConsumerFluentSetterDocumentation" : "List of Elasticsearch domain names.
This is a convenience that creates an instance of the @link List<DomainInfo>.Builder avoiding the need to create one manually via @link List<DomainInfo>#builder(). When the @link Consumer completes, @link List<DomainInfo>.Builder#build() is called immediately and its result is passed to @link #domainNames(List<DomainInfo>).
@returns Returns a reference to this object so that method calls can be chained together.
@see #domainNames(List<DomainInfo>)",
    "deprecated" : false,
    "documentation" : "List of Elasticsearch domain names.",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainNames",
    "fluentSetterDocumentation" : "List of Elasticsearch domain names.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@returns Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "domainNames",
    "getterDocumentation" : "List of Elasticsearch domain names.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@returns Returns a reference to this object so that method calls can be chained together.",
    "xmlNameSpaceUri" : null
  } ]
}
Elasticsearch domain names.

```
"getterModel" : {
  "returnType" : "java.util.List<DomainInfo>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainNames",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainNames",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "DomainInfo",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link DomainInfo.Builder} avoiding the need to create one manually via { @link DomainInfo#builder()}. When the { @link Consumer} completes, { @link DomainInfo.Builder#build()} is called immediately and its result is passed to { @link #member(DomainInfo)}.\n\n@see #member(DomainInfo)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
```

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**Open Source Used In MSX SD-WAN Service Pack 3.9.0 1745**
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "DomainInfo",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "DomainInfo",
  "variableName" : "member",
  "variableType" : "DomainInfo",
  "documentation" : null,
  "simpleType" : "DomainInfo",
  "variableSetterType" : "DomainInfo"
}.
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "DomainInfo",
  "variableName" : "member",
  "variableType" : "DomainInfo",
  "documentation" : "",
  "simpleType" : "DomainInfo",
  "variableSetterType" : "DomainInfo"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "DomainInfo",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "DomainInfo",
"templateImplType" : "java.util.ArrayList<DomainInfo>",
"templateType" : "java.util.List<DomainInfo>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "DomainNames",
"sensitive" : false,
"setterDocumentation" : "<p>List of Elasticsearch domain names.</p>
@param domainNames List of Elasticsearch domain names.",
"setterMethodName" : "setDomainNames",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : null,
  "simpleType" : "List<DomainInfo>",
  "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<DomainInfo>",
  "variableName" : "domainNames",
  "variableType" : "java.util.List<DomainInfo>",
  "documentation" : "<p>List of Elasticsearch domain names.</p>",
  "simpleType" : "List<DomainInfo>",
  "variableSetterType" : "java.util.Collection<DomainInfo>"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListDomainNamesResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ListDomainNamesResponse",
  "variableName" : "listDomainNamesResponse",
  "variableType" : "ListDomainNamesResponse",
  "documentation" : null,
  "simpleType" : "ListDomainNamesResponse",
  "variableSetterType" : "ListDomainNamesResponse"
},
"wrapper" : false
},
"ListElasticsearchInstanceTypesRequest" : {
  "c2jName" : "ListElasticsearchInstanceTypesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for the parameters to the <code> <a>ListElasticsearchInstanceTypes</a> </code> operation. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "ListElasticsearchInstanceTypes",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/instanceTypes/{ElasticsearchVersion}"
  },
"target" : null,
"verb" : "GET",
"xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].
When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link ElasticsearchVersion(String)].
@param elasticsearchVersion a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see ElasticsearchVersion(String)
","deprecated" : false,
  "documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.
@return Returns a reference to this object so that method calls can be chained together.
","fluentSetterMethodName" : "elasticsearchVersion",
"getterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@return Version of Elasticsearch for which list of supported elasticsearch instance types are needed.
","getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "uri",
  "marshallLocation" : "PATH",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed."

"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType" : "String",
"documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

This is a convenience that creates an instance of the [ @link String.Builder]
When the `@link Consumer` completes, `@link String#builder()` is called immediately and its result is passed to `@link #domainName(String)`.

"deprecated" : false,
"documentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>",

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentSetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

"getterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "domainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>
@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Integer.Builder} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. @param maxResults a consumer that will call methods on { @link Integer.Builder}@return Returns a reference to this object so that method calls can be chained together.@see
"maxResults(Integer)",
   "deprecated" : false,
   "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>",
   "endpointDiscoveryId" : false,
   "enumType" : null,
   "eventHeader" : false,
   "eventPayload" : false,
   "fluentEnumGetterMethodName" : null,
   "fluentEnumSetterMethodName" : null,
   "fluentGetterMethodName" : "maxResults",
   "fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
   @param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.
   @return Returns a reference to this object so that method calls can be chained together.",
   "fluentSetterMethodName" : "maxResults",
   "getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
   @return Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.",
   "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
   },
   "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : "querystring",
      "marshallLocation" : "QUERY_PARAM",
      "marshallLocationName" : "maxResults",
      "queryString" : true,
      "statusCode" : false,
      "unmarshallLocationName" : "maxResults",
      "uri" : false
   },
   "idempotencyToken" : false,
   "isBinary" : false,
   "jsonValue" : false,
   "list" : false,
   "listModel" : null,
   "map" : false,
   "mapModel" : null,
   "marshallingType" : "INTEGER",
   "name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. ",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
{
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #nextToken(String)}. Returns a reference to this object so that method calls can be chained together. 
@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>"}
containing NextToken. It is used for pagination.  

```java
@Param nextToken
    NextToken should be sent in case if earlier API call produced result containing
    NextToken. It is used for pagination.  
    @return
    Returns a reference to
    this object so that method calls can be chained together.
    
    "fluentSetterMethodName" : "nextToken",
    "getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
    NextToken. It is used for pagination.  
    @return
    NextToken should be sent in case if earlier API call produced
    result containing NextToken. It is used for pagination.  
    
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : "querystring",
        "marshallLocation" : "QUERY_PARAM",
        "marshallLocationName" : "nextToken",
        "queryString" : true,
        "statusCode" : false,
        "unmarshallLocationName" : "nextToken",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "NextToken",
    "sensitive" : false,
    "setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing
    NextToken. It is used for pagination.  
    @param
    nextToken
    NextToken should be sent in case if earlier API call produced result containing
    NextToken. It is used for pagination.  
    @return
    Returns a reference to
    this object so that method calls can be chained together.
    
    "setterMethodName" : "setNextToken",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "nextToken",
        "variableType" : "String",
        "documentation" : null,
        "simpleType" : "String",
        "variableSetterType" : "String"
    }
```
DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder().

When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #domainName(String).

@see #domainName(String)

DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.

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DomainName should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.

DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.

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existing domain. 

DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "domainName",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "domainName",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "DomainName",

"setterDocumentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",

"setterMethodName" : "setDomainName",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"ElasticsearchVersion" : {
    "beanStyleGetterMethodName" : "getElasticsearchVersion",
    "beanStyleSetterMethodName" : "setElasticsearchVersion",
    "c2jName" : "ElasticsearchVersion",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, [@link String.Builder#build()] is called immediately and its result is passed to {дресlink ElasticsearchVersion(String)}@param elasticsearchVersion a consumer that will call methods on {дресlink String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #elasticsearchVersion(String)",
    "deprecated" : false,
    "documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "elasticsearchVersion",
    "fluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.
@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "elasticsearchVersion",
    "getterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@return Returns a reference to this object so that method calls can be chained together.",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "ElasticsearchVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersion",
"uri" : true,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
@param elasticsearchVersion Version of Elasticsearch for which list of supported elasticsearch instance types are needed.",
"setterMethodName" : "setElasticsearchVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchVersion",
  "variableType" : "String",
  "documentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>
"simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"MaxResults" : {
  "beanStyleGetterMethodName" : "getMaxResults",
  "beanStyleSetterMethodName" : "setMaxResults",
  "c2jName" : "MaxResults",
  "c2jShape" : "MaxResults",
  "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "maxResults",
  "fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "maxResults",
    "queryString" : true,
    "returnType" : "Integer",
    "documentation" : null
  }
}
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "\n\nSet this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.\n
\n@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.\n"
,"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "\n\nSet this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored.\n"
,  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlnsNameSpaceUri" : null
},
"NextToken" : {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "\n\nNextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to

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@link #nextToken(String)\n@param nextToken a consumer that will call methods on \n@link String.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String),
  "deprecated" : false,
  "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
  "@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "nextToken",
  "getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
  @return NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : "querystring",
    "marshallLocation" : "QUERY_PARAM",
    "marshallLocationName" : "nextToken",
    "queryString" : true,
    "statusCode" : false,
    "unmarshallLocationName" : "nextToken",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "\nNextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. \n\n@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
]
"nonStreamingMembers" : [
  "beanStyleGetterMethodName" : "getElasticsearchVersion",
  "beanStyleSetterMethodName" : "setElasticsearchVersion",
  "c2jName" : "ElasticsearchVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "\nVersion of Elasticsearch for which list of supported elasticsearch instance types are needed. \n\nThis is a convenience that creates an instance of the \n{@link String.Builder} avoiding the need to create one manually via \n{@link String#builder()} \n\nWhen the \n{@link Consumer} completes, \n{@link String.Builder#build()} is called immediately and its result is passed to \n{@link ElasticsearchVersion(String)} \n\n@see ElasticsearchVersion(String)",
  "deprecated" : false,
  "documentation" : "Version of Elasticsearch for which list of supported elasticsearch instance types are needed.",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersion",
"fluentSetterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance 

types are needed. <br>
@returns Returns a reference to this object so that method calls can be 

chained together. 

@returns Version of Elasticsearch for which list of supported elasticsearch instance types are needed. 

@return Version of Elasticsearch for which list of supported elasticsearch instance types are 

needed. 

getterDocumentation" : 

setterDocumentation" : "<p>Version of Elasticsearch for which list of supported elasticsearch instance types 

are needed. 

setterMethodName" : "setElasticsearchVersion",
"setterModel" : 

"variableDeclarationType" : "String",
"variableName" : "elasticsearchVersion",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "elasticsearchVersion",
  "variableType": "String",
  "documentation": "<p>Version of Elasticsearch for which list of supported elasticsearch instance types are needed. </p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
  
"beanStyleGetterMethodName": "getDomainName",
"beanStyleSetterMethodName": "setDomainName",
"c2jName": "DomainName",
"c2jShape": "DomainName",
"defaultConsumerFluentSetterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.

@see #domainName(String)",
"deprecated": false,
"documentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "domainName",
"fluentSetterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>

@see #domainName(String)",
"fluentSetterMethodName": "domainName",
"getterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. </p>\n@return DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",

"getterModel": {
"returnType": "String",
"documentation": null
},

"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "querystring",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "domainName",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "domainName",
"uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "STRING",

"name": "DomainName",

"setterDocumentation": "<p>DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.
@\n@param domainName DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain.",

"setterMethodName": "setDomainName",

"setterModel": {

"variableDeclarationType": "String",

"variableName": "domainName",

"variableType": "String",

"documentation": null,

"simpleType": "String",

"variableSetterType": "String"
DomainName represents the name of the Domain that we are trying to modify. This should be present only if we are querying for list of available Elasticsearch instance types when modifying existing domain. 

Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.

This is a convenience that creates an instance of the \{ @link Integer.Builder \} avoiding the need to create one manually via \{ @link Integer#builder() \}.

When the \{ @link Consumer \} completes, \{ @link Integer.Builder#build() \} is called immediately and its result is passed to \{ @link #maxResults(Integer) \}.

Returns a reference to this object so that method calls can be chained together.

Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.

Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.

Returns a reference to this object so that method calls can be chained together.

Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.

Set this value to limit the number of results returned. Value provided must be greater than 30 else it won't be honored.
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": "querystring",
    "marshallLocation": "QUERY_PARAM",
    "marshallLocationName": "maxResults",
    "queryString": true,
    "statusCode": false,
    "unmarshallLocationName": "maxResults",
    "uri": false
  },
  "idempotencyToken": false,
  "isBinary": false,
  "jsonValue": false,
  "list": false,
  "listModel": null,
  "map": false,
  "mapModel": null,
  "marshallingType": "INTEGER",
  "name": "MaxResults",
  "sensitive": false,
  "setterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>
  @param maxResults Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. ",
  "setterMethodName": "setMaxResults",
  "setterModel": {
    "variableDeclarationType": "Integer",
    "variableName": "maxResults",
    "variableType": "Integer",
    "documentation": null,
    "simpleType": "Integer",
    "variableSetterType": "Integer"
  },
  "simple": true,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "Integer",
    "variableName": "maxResults",
    "variableType": "Integer",
    "documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 30 else it wont be honored. </p>",
    "simpleType": "Integer",
    "variableSetterType": "Integer"
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>This is a convenience that creates an instance of the \按规定 String.Builder\} avoiding the need to create one manually via \按规定 String#builder()}.\按规定When the \按规定 String.Builder\} completes, \按规定 String.Builder#build()\} is called immediately and its result is passed to \按规定 String#nextToken(String)\}.\按规定@return Returns a reference to this object so that method calls can be chained together.\按规定@see \按规定 nextToken(String)\",
"deprecated" : false,
"documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>\按规定endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>\按规定@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination.\按规定@return Returns a reference to this object so that method calls can be chained together.\按规定@see \按规定 nextToken(String)\",
"getterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>@param nextToken NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination."
,"setterMethodName" : "setNextToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "simple" : true,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>NextToken should be sent in case if earlier API call produced result containing NextToken. It is used for pagination. </p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
 },
 "xmlNameSpaceUri" : null
}].
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ElasticsearchVersion" ],
"shapeName" : "ListElasticsearchInstanceTypesRequest",
"simpleMethod" : false,
"unmarshalller" : null,
"variable" : {
 "variableDeclarationType" : "ListElasticsearchInstanceTypesRequest",
 "variableName" : "listElasticsearchInstanceTypesRequest",
}.
"variableType" : "ListElasticsearchInstanceTypesRequest",
"documentation" : null,
"simpleType" : "ListElasticsearchInstanceTypesRequest",
"variableSetterType" : "ListElasticsearchInstanceTypesRequest"
],
"wrapper" : false
],
"ListElasticsearchInstanceTypesResponse" : {
  "c2jName" : "ListElasticsearchInstanceTypesResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for the parameters returned by <code>
<a>ListElasticsearchInstanceTypes</a> </code> operation. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "marshallable" : null,
  "member" : [
    "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsStrings",
    "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
    "c2jName" : "ElasticsearchInstanceTypes",
    "c2jShape" : "ElasticsearchInstanceTypeList",
    "defaultConsumerFluentSetterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code>
<a>ElasticsearchVersion</a> </code> </code> </p>
  ],
  "deprecated" : false,
  "documentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given <code>
<a>ElasticsearchVersion</a> </code> </code> </p>
  ]
}
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
"fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
"fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
"fluentSetterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given
<code> <a>ElasticsearchVersion</a> </code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code>
@return
Returns a reference to this object so that method calls can be chained together.”,
"fluentSetterMethodSignature" : "elasticsearchInstanceTypesWithStrings",
"getterDocumentation" : "<p> List of instance types supported by Amazon Elasticsearch service for given
<code> <a>ElasticsearchVersion</a> </code> </p>
<p>
Attempts to modify the collection returned by this
method will result in an UnsupportedOperationException.
</p>
@return List of instance types supported by
Amazon Elasticsearch service for given <code> <a>ElasticsearchVersion</a> </code>
",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceTypes",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceTypes",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMemberAsString",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `String.Builder#memberAsString(String)`. Returns a reference to this object so that method calls can be chained together.

```java
public @interface MemberAsString {
    String memberAsString(String value);
}
```

The new value for the Member property for this object will be passed to `memberAsString(String)` method of the `String.Builder` and then passed to `memberAsString` method of this object so that method calls can be chained together.

```java
public @interface Member {
    String member();
}
```

If the service returns an enum value that is not available in the current SDK version, `memberAsString(String)` will return `UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `memberAsString(String)` method of this object.

```java
public @interface MemberAsString {
    String memberAsString(String value);
}
```

The value of the Member property for this object will be passed to `memberAsString(String)` method of the `String.Builder` and then passed to `memberAsString` method of this object so that method calls can be chained together.

```java
public @interface Member {
    String member();
}
```

If the service returns an enum value that is not available in the current SDK version, `memberAsString(String)` will return `UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `memberAsString(String)` method of this object.

```java
public @interface MemberAsString {
    String memberAsString(String value);
}
```
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n\n@see ESPartitionInstanceType",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"sensitive" : false,
"setterDocumentation" : "List of instance types supported by Amazon Elasticsearch service for given\n<code>\n   <a>ElasticsearchVersion</a>\n</code>\n\n@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given\n<code>\n   <a>ElasticsearchVersion</a>\n</code>",
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings"}
"setterModel": {
    "variableDeclarationType": "java.util.List<String>",
    "variableName": "elasticsearchInstanceTypes",
    "variableType": "java.util.List<String>",
    "documentation": null,
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "java.util.List<String>",
    "variableName": "elasticsearchInstanceTypes",
    "variableType": "java.util.List<String>",
    "documentation": "List of instance types supported by Amazon Elasticsearch service for given \( \text{ElasticsearchVersion} \) \)
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getNextToken",
"beanStyleSetterMethodName": "setNextToken",
"c2jName": "NextToken",
"c2jShape": "NextToken",
"defaultConsumerFluentSetterDocumentation": "In case if there are more results available \( \text{NextToken} \) would be present, make further request to the same API with received \( \text{NextToken} \) to paginate remaining results.

This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link $\text{nextToken(String)}$ \}. \@return Returns a reference to this object so that method calls can be chained together.\@see $\text{nextToken(String)}$",
"deprecated": false,
"documentation": "In case if there are more results available \( \text{NextToken} \) would be present, make further request to the same API with received \( \text{NextToken} \) to paginate remaining results. \</p\\n\n"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "nextToken",
"fluentSetterDocumentation": "In case if there are more results available \( \text{NextToken} \) would be present, make further request to the same API with received \( \text{NextToken} \) to paginate remaining results. \@param $\text{nextToken}$In case if there are more results available \( \text{NextToken} \) would be present, make further request to the same API with received \( \text{NextToken} \) to paginate remaining results.\@return Returns a reference to this object so that method calls can be chained together."
}
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

The return value is a JSON object with the following properties:

- **returnType**: String
- **documentation**: null

The HTTP request details are as follows:

- **method**
  - **http**
    - **additionalMarshallingPath**: null
    - **additionalUnmarshallingPath**: null
    - **flattened**: false
    - **greedy**: false
    - **header**: false
    - **isPayload**: false
    - **isStreaming**: false
    - **location**: null
    - **marshallLocation**: "PAYLOAD"
    - **marshallLocationName**: "NextToken"
    - **queryString**: false
    - **statusCode**: false
    - **unmarshallLocationName**: "NextToken"
    - **uri**: false
- **idempotencyToken**: false
- **isBinary**: false
- **jsonValue**: false
- **list**: false
- **listModel**: null
- **map**: false
- **mapModel**: null
- **marshallingType**: "STRING"
- **name**: "NextToken"
- **sensitive**: false
- **setterDocumentation**: "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

The setter method is:

- **setterMethodName**: "setNextToken"
- **setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
- **simple**: true
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. <\p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "ElasticsearchInstanceTypes" : {
    "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsStrings",
    "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
    "c2jName" : "ElasticsearchInstanceTypes",
    "c2jShape" : "ElasticsearchInstanceTypeList",
    "defaultConsumerFluentSetterDocumentation" : "List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>\p>\nThis is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to create one manually via [@link List<String>#builder()]. When the [@link Consumer] completes, [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link ElasticsearchInstanceTypesAsStrings(List<String>)]\p>\n\p>@param ElasticsearchInstanceTypes a consumer that will call methods on [@link List<String>.Builder] \p>@return Returns a reference to this object so that method calls can be chained together.\p>@see #elasticsearchInstanceTypesWithStrings(List<String>)",
    "deprecated" : false,
    "documentation" : "List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>\p>
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
    "fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
    "fluentGetterMethodName" : "elasticsearchInstanceTypesAsStrings",
    "fluentSetterDocumentation" : "List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>
    "getterDocumentation" : "Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\p>\n\p>@return List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>\p>@param ElasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>\p>@return Returns a reference to this object so that method calls can be chained together.\n
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\p>@return List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>\p>@return Returns a reference to this object so that method calls can be chained together.\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\p>@return List of instance types supported by Amazon Elasticsearch service for given \code<a>ElasticsearchVersion</a>\code</p>\p>
    "returnType" : "java.util.List<String>",
    "documentation" : null
}
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "ElasticsearchInstanceTypes",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "ElasticsearchInstanceTypes",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMemberAsString",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member",
    "c2jShape": "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link ESPartitionInstanceType#member(String)].

@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": "ESPartitionInstanceType",
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": "member",
    "fluentEnumSetterMethodName": "member",
    "fluentGetterMethodName": "memberAsString",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object.

@see ESPartitionInstanceType

@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
    "fluentSetterDocumentation": "Sets the value of the Member property for this object."
@see ESPartitionInstanceType

@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType"
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\nIf the service returns an enum value that is not available in the current SDK version, {@link #member} will return {@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #memberAsString}.\n\n@returns The value of the Member property for this object.\n@see ESPartitionInstanceType",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "member",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "member",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@returns The new value for the Member property for this object.\n@see ESPartitionInstanceType",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"sensitive" : false,
"setterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given
<code><a>ElasticsearchVersion</a></code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code>",
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "elasticsearchInstanceTypes",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "elasticsearchInstanceTypes",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code> </p>
@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given <code><a>ElasticsearchVersion</a></code>",
"setterMethodName" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "elasticsearchInstanceTypes",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.

This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().

When the Consumer completes, String.Builder#build() is called immediately and its result is passed to String#token(String).

@see #nextToken(String)
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NextToken",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p><p>@param nextToken In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results.,”,
"setterMethodName" : "setNextToken",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "nextToken",
 "variableType" : "String",
 "documentation" : "<p>In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. </p>”,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
 "beanStyleGetterMethodName" : "getElasticsearchInstanceTypesAsString",
 "beanStyleSetterMethodName" : "setElasticsearchInstanceTypesWithStrings",
 "c2jName" : "ElasticsearchInstanceTypes",
}]}
List of instance types supported by Amazon Elasticsearch service for given <code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code>.

This is a convenience that creates an instance of the <code>List&lt;String&gt;.Builder</code> avoiding the need to create one manually via the <code>List&lt;String&gt;#builder()</code> method.

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

This is a convenience that returns a reference to this object so that method calls can be chained together.

```
//&lt;p&gt; List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;
"defaultConsumerFluentSetterDocumentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

"documentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

"deprecated" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceTypes",
"fluentEnumSetterMethodName" : "elasticsearchInstanceTypes",
"fluentGetterMethodSignature" : "elasticsearchInstanceTypesAsStrings()

"fluentSetterMethodName" : "elasticsearchInstanceTypesWithStrings",
"getDocumentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

```

```

"returnType" : "null",
"documentation" : null
}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceTypes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceTypes",
"uri" : false
},

"c2jShape" : "ElasticsearchInstanceTypeList",
"defaultConsumerFluentSetterDocumentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

```

"@param elasticsearchInstanceTypes a consumer that will call methods on the <code>List&lt;String&gt;.Builder</code>.&lt;/p&gt;

"@return Returns a reference to this object so that method calls can be chained together.

```

"@see #elasticsearchInstanceTypesWithStrings(List&lt;String&gt;)
"}

"endpointDiscoveryId" : false,
"eventPayload" : false,
"endpointDiscoveryId" : false,
"documentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

```

"@return Returns a reference to this object so that method calls can be chained together.

```

"returnType" : "null",
"documentation" : null
}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,

"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceTypes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceTypes",
"uri" : false
},

"c2jShape" : "ElasticsearchInstanceTypeList",
"defaultConsumerFluentSetterDocumentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

```

"@param elasticsearchInstanceTypes a consumer that will call methods on the <code>List&lt;String&gt;.Builder</code>.&lt;/p&gt;

"@return Returns a reference to this object so that method calls can be chained together.

```

"@see #elasticsearchInstanceTypesWithStrings(List&lt;String&gt;)
"}

"endpointDiscoveryId" : false,
"eventPayload" : false,
"endpointDiscoveryId" : false,
"documentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

```

"@return Returns a reference to this object so that method calls can be chained together.

```

"returnType" : "null",
"documentation" : null
}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,

"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceTypes",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceTypes",
"uri" : false
},

"c2jShape" : "ElasticsearchInstanceTypeList",
"defaultConsumerFluentSetterDocumentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

```

"@param elasticsearchInstanceTypes a consumer that will call methods on the <code>List&lt;String&gt;.Builder</code>.&lt;/p&gt;

"@return Returns a reference to this object so that method calls can be chained together.

```

"@see #elasticsearchInstanceTypesWithStrings(List&lt;String&gt;)
"}

"endpointDiscoveryId" : false,
"eventPayload" : false,
"endpointDiscoveryId" : false,
"documentation" : ": List of instance types supported by Amazon Elasticsearch service for given &lt;code&gt;&lt;a&gt;ElasticsearchVersion&lt;/a&gt;&lt;/code&gt;&lt;/p&gt;

When the <code>Consumer</code> completes, the <code>List&lt;String&gt;.Builder#build()</code> method is called immediately and its result is passed to the <code>#elasticsearchInstanceTypesAsStrings(List&lt;String&gt;)</code> method.

```

"@return Returns a reference to this object so that method calls can be chained together.

```

"returnType" : "null",
"documentation" : null
}

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMemberAsString",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. 
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create
one manually via String.Builder().When the [Consumer] completes, String.Builder#build() is called immediately and its result is passed to [String.Builder].

When the [Consumer] completes, String.Builder#build() is called immediately and its result is passed to [String.Builder].

@endpointDiscoveryId" : false,
  "enumType" : "ESPartitionInstanceType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "member",
  "fluentEnumSetterMethodName" : "member",
  "fluentGetterMethodName" : "memberAsString",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see ESPartitionInstanceType",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.

If the service

@return The value of the Member property for this object.

@see ESPartitionInstanceType",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"敏感" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object.
@see ESPartitionInstanceType",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchInstanceTypes",
"sensitive" : false,

"setterDocumentation" : "<p>List of instance types supported by Amazon Elasticsearch service for given
<code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/p&gt;&lt;p&gt;\n@param elasticsearchInstanceTypes List of instance types supported by Amazon Elasticsearch service for given
<code>&lt;a&gt;ElasticsearchVersion&lt;/a&gt;</code> &lt;/p&gt;&lt;p&gt;\n\nsetterMethodNames" : "setElasticsearchInstanceTypesWithStrings",
"setterModel" : {
   "variableDeclarationType" : "java.util.List<String>",
   "variableName" : "elasticsearchInstanceTypes",
   "variableType" : "java.util.List<String>",
   "documentation" : null,
   "simpleType" : "List<String>",
   "variableSetterType" : "java.util.Collection<String>"
   
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.util.List<String>",
   "variableName" : "elasticsearchInstanceTypes",
   "variableType" : "java.util.List<String>",
   "documentation" : null,
   "simpleType" : "List<String>",
   "variableSetterType" : "java.util.Collection<String>"
   
}
"xmlNameSpaceUri" : null

, {
   "beanStyleGetterMethodName" : "getNextToken",
   "beanStyleSetterMethodName" : "setNextToken",
   "c2jName" : "NextToken",
   "c2jShape" : "NextToken",
   "defaultConsumerFluentSetterDocumentation" : "In case if there are more results available NextToken
would be present, make further request to the same API with received NextToken to paginate remaining results.\n
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one
manually via {@link String#builder()}.\n
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}.\n
@see #nextToken(String)
   "deprecated" : false,
   "documentation" : "In case if there are more results available NextToken would be present, make further
request to the same API with received NextToken to paginate remaining results. \n"
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": null,
"fluentSetterMethodName": null,
"getterDocumentation": null,
"getSetterDocumentation": null,
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "nextToken",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "nextToken",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"isPageStreamingAllowed": false,
"isPayload": false,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "nextToken",
"isPageStreaming": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "nextToken",
"sensitive": false,
"setterDocumentation": null,
"setterModel": null,
"isStreaming": false,
"isPageStreaming": false,
further request to the same API with received NextToken to paginate remaining results. 

In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results."

```
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "In case if there are more results available NextToken would be present, make further request to the same API with received NextToken to paginate remaining results. ",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"ListElasticsearchInstanceTypesRequest" : {
  "c2jName" : "ListElasticsearchInstanceTypesRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "ListElasticsearchInstanceTypesResponse",
    "simpleMethod" : false,
    "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
    },
    "variable" : {
      "variableDeclarationType" : "ListElasticsearchInstanceTypesResponse",
      "variableName" : "listElasticsearchInstanceTypesResponse",
      "variableType" : "ListElasticsearchInstanceTypesResponse",
      "documentation" : null,
      "simpleType" : "ListElasticsearchInstanceTypesResponse",
      "variableSetterType" : "ListElasticsearchInstanceTypesResponse"
    },
    "wrapper" : false
  }},

"ListElasticsearchVersionsRequest" : {
  "c2jName" : "ListElasticsearchVersionsRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "requestSignerAware" : false,
    "requestSignerClassFqcn" : null,
    "required" : null,
    "shapeName" : "ListElasticsearchVersionsResponse",
    "simpleMethod" : false,
    "unmarshaller" : {
      "flattened" : false,
      "resultWrapper" : null
    },
    "variable" : {
      "variableDeclarationType" : "ListElasticsearchVersionsResponse",
      "variableName" : "listElasticsearchVersionsResponse",
      "variableType" : "ListElasticsearchVersionsResponse",
      "documentation" : null,
      "simpleType" : "ListElasticsearchVersionsResponse",
      "variableSetterType" : "ListElasticsearchVersionsResponse"
    },
    "wrapper" : false
  }
}
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : ": "<p> Container for the parameters to the <code> <a>ListElasticsearchVersions</a> </code> operation. <p> Use <code> <a>MaxResults</a> </code> to control the maximum number of results to retrieve in a single call. <p> Use <code> <a>NextToken</a> </code> in response to retrieve more results. If the received response does not contain a NextToken, then there are no more results to retrieve. <p> </p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
"action" : "ListElasticsearchVersions",
"locationName" : null,
"requestUri" : "/2015-01-01/es/versions",
"target" : null,
"verb" : "GET",
"xmlnsSpaceUri" : null
},
"members" : [ {
"beanStyleGetterMethodName" : "getMaxResults",
"beanStyleSetterMethodName" : "setMaxResults",
"c2jName" : "MaxResults",
"c2jShape" : "MaxResults",
"defaultConsumerFluentSetterDocumentation" : ": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. 

This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. 

When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}. 

@see #maxResults(Integer)",
"deprecated" : false,
"documentation" : ": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. 

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "maxResults",
"fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. @return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "maxResults",
"getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>@return Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "maxResults",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "maxResults",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.",
"setterMethodName" : "setMaxResults",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults"
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n  This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String.Builder#builder() }.\n  When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #nextToken(String) }.\n  @param nextToken a consumer that will call methods on { @link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n  @param nextToken The new value for the NextToken property for this object.\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #nextToken(String)",
  "getterDocumentation" : "Returns the value of the NextToken property for this object.\n  @return The value of the NextToken property for this object.\n  @see #nextToken(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
  },
“additionalMarshallingPath” : null,
“additionalUnmarshallingPath” : null,
“flattened” : false,
“greedy” : false,
“header” : false,
“isPayload” : false,
“isStreaming” : false,
“location” : “querystring”,
“marshallLocation” : “QUERY_PARAM”,
“marshallLocationName” : “nextToken”,
“queryString” : true,
“statusCode” : false,
“unmarshallLocationName” : “nextToken”,
“uri” : false
},
“idempotencyToken” : false,
“isBinary” : false,
“jsonValue” : false,
“list” : false,
“listModel” : null,
“map” : false,
“mapModel” : null,
“marshallingType” : “STRING”,
“name” : “NextToken”,
“simple” : true,
“timestampFormat” : null,
“variable” : {
 “variableDeclarationType” : “String”,
 “variableName” : “nextToken”,
 “variableType” : “String”,
 “documentation” : null,
 “simpleType” : “String”,
 “variableSetterType” : “String”
},
“simple” : true,
“setterDocumentation” : “Sets the value of the NextToken property for this object.

@param nextToken The new value for the NextToken property for this object.”,
“setterMethodName” : “setNextToken”,
“setModel” : {
 “variableDeclarationType” : “String”,
 “variableName” : “nextToken”,
 “variableType” : “String”,
 “documentation” : “”,
 “simpleType” : “String”,
 “variableSetterType” : “String”
},
“simple” : true,
“uri” : false
}].
"membersAsMap" : {
  "MaxResults" : {
    "beanStyleGetterMethodName" : "getMaxResults",
    "beanStyleSetterMethodName" : "setMaxResults",
    "c2jName" : "MaxResults",
    "c2jShape" : "MaxResults",
    "defaultConsumerFluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}
When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to
{@link #maxResults(Integer)}.
@see #maxResults(Integer)",
    "deprecated" : false,
    "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "maxResults",
    "fluentSetterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)",
    "getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@return Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.
"param maxResults a consumer that will call methods on
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)",
    "getterModel" : {
      "returnType" : "Integer",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : "querystring",
      "marshallLocation" : "QUERY_PARAM",
      "marshallLocationName" : "maxResults",
      "queryString" : true,
      "statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt; Set this value to limit the number of results returned. Value provided must be
greater than 10 else it won't be honored. &lt;/p&gt;&lt;p&gt;\n@param maxResults Set this value to limit the number of results
returned. Value provided must be greater than 10 else it won't be honored.&lt;/p&gt;",
"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : "&lt;p&gt; Set this value to limit the number of results returned. Value provided must be greater
than 10 else it won't be honored. &lt;/p&gt;",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"NextToken" : {
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this
object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create
one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #nextToken(String)}\n@param nextToken a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object
so that method calls can be chained together.

@see #nextToken(String)

*deprecated* : false,
*documentation* : "",
*endpointDiscoveryId* : false,
*enumType* : null,
*eventHeader* : false,
*eventPayload* : false,
*fluentEnumGetterMethodName* : null,
*fluentEnumSetterMethodName* : null,
*fluentGetterMethodName* : "nextToken",
*fluentSetterDocumentation* : "Sets the value of the NextToken property for this object.

@param
nextToken The new value for the NextToken property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
*getterDocumentation* : "Returns the value of the NextToken property for this object.

@return The value of the NextToken property for this object.”,
*getterModel* : {
  "returnType" : "String",
  "documentation" : null
},
*http* : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "nextToken",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "nextToken",
  "uri" : false
},
*idempotencyToken* : false,
*isBinary* : false,
*jsonValue* : false,
*list* : false,
*listModel* : null,
*map* : false,
*mapModel* : null,
*marshallingType* : "STRING",
*name* : "NextToken",
*sensitive* : false,
*setterDocumentation* : "Sets the value of the NextToken property for this object.

@param
nextToken The new value for the NextToken property for this object."
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": 
  "simple": true,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "nextToken",
    "variableType": "String",
    "documentation": 
    "simple": true,
    "timestampFormat": null,
    "variable": {
      "variableDeclarationType": "String",
      "variableName": "nextToken",
      "variableType": "String",
      "documentation": 
      "simple": true,
      "timestampFormat": null,
      "variable": {
        "variableDeclarationType": "String",
        "variableName": "nextToken",
        "variableType": "String",
        "documentation": null,
        "simpleType": "String",
        "variableSetterType": "String"
      },
      "xmlNameSpaceUri": null
    },
    "nonStreamingMembers": [
      "beanStyleGetterMethodName": "getMaxResults",
      "beanStyleSetterMethodName": "setMaxResults",
      "c2jName": "MaxResults",
      "c2jShape": "MaxResults",
      "defaultConsumerFluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
This is a convenience that creates an instance of the { @link Integer.Builder} avoiding the need to create one manually via { @link Integer#builder()}. When the { @link Consumer} completes, { @link Integer.Builder#build()} is called immediately and its result is passed to { @link #maxResults(Integer)}.
@param maxResults a consumer that will call methods on { @link Integer.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #maxResults(Integer)",
  "deprecated": false,
  "documentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "maxResults",
  "fluentSetterDocumentation": "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it wont be honored.
@return Returns a reference to this object so that method calls can be chained together.";"}
"fluentSetterMethodName" : "setMaxResults",
"getterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>
@return Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.",

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},

"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : "querystring",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "maxResults",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "maxResults",
"uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "MaxResults",
"setterDocumentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>
@param maxResults Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored.",

"setterMethodName" : "setMaxResults",
"setterModel" : {
"variableDeclarationType" : "Integer",
"variableName" : "maxResults",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "maxResults",
  "variableType" : "Integer",
  "documentation" : "<p> Set this value to limit the number of results returned. Value provided must be greater than 10 else it won't be honored. </p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #nextToken(String)].
*param nextToken* a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.*

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.
The new value for the NextToken property for this object.
*param nextToken* a reference to this object so that method calls can be chained together.*

"fluentSetterMethodName" : "nextToken",
"getterDocumentation" : "Returns the value of the NextToken property for this object.
The value of the NextToken property for this object.*

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location" : "queryString",
"marshallLocation" : "QUERY_PARAM",
"marshallLocationName" : "nextToken",
"queryString" : true,
"statusCode" : false,
"unmarshallLocationName" : "nextToken",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.",
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListElasticsearchVersionsRequest",
"simpleMethod" : true,
"unmarshalller" : null,
"variable" : {


"variableDeclarationType": "ListElasticsearchVersionsRequest",
"variableName": "listElasticsearchVersionsRequest",
"variableType": "ListElasticsearchVersionsRequest",
"documentation": null,
"simpleType": "ListElasticsearchVersionsRequest",
"variableSetterType": "ListElasticsearchVersionsRequest"
},
"wrapper": false
},
"ListElasticsearchVersionsResponse": {
  "c2jName": "ListElasticsearchVersionsResponse",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p> Container for the parameters for response received from <code>
<a>ListElasticsearchVersions</a></code> operation. </p>
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [
  {
    "beanStyleGetterMethodName": "getElasticsearchVersions",
    "beanStyleSetterMethodName": "setElasticsearchVersions",
    "c2jName": "ElasticsearchVersions",
    "c2jShape": "ElasticsearchVersionList",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the ElasticsearchVersions property for this
object.\nThis is a convenience that creates an instance of the [\link List<String>\.Builder] avoiding the need to
create one manually via \{\link List<String>\.builder()\}.\nWhen the [\link Consumer] completes, \{\link List<String>\.Builder\#build()\} is called immediately and its result is passed to \{\link
#elasticsearchVersions(List<String>)\}.\n@param ElasticsearchVersions a consumer that will call methods on
\{\link List<String>\.Builder\}\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #elasticsearchVersions(List<String>)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
"enumType" : null,
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"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersions",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

@param 
elasticsearchVersions The new value for the ElasticsearchVersions property for this object.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "elasticsearchVersions",
"getterDocumentation" : "Returns the value of the ElasticsearchVersions property for this object.
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperation Exception. 
</p>
@return The value of the ElasticsearchVersions property for this object.",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the (@link String.Builder) avoiding the need to create one manually via (@link #builder()).
When the (@link Consumer) completes, (@link
String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.\n@param member a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)"
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together."
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."
    "getterModel" : {
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        "documentation" : null
    },
    "http" : {
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        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "Member",
    "sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object."
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "java.util.Collection<String>"}
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : "",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\nThis is a convenience that creates an instance of the {\path @link String.Builder} avoiding the need to create one manually via {\path @link String#builder()}.\nWhen the {\path @link Consumer} completes, {\path @link String.Builder#build()} is called immediately and its result is passed to {\path @link #nextToken(String)}.\n@param nextToken a consumer that will call methods on {\path @link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #nextToken(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "nextToken",
  "fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.\n\n\n@param nextToken The new value for the NextToken property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)",
  "getterDocumentation" : "Returns the value of the NextToken property for this object.\n\n@returns The value of the NextToken property for this object.\n\n@see #nextToken(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "NextToken",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "NextToken",
"uri": false
},
"idempotencyToken": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "NextToken",
"sensitive": false,
"setterDocumentation": "Sets the value of the NextToken property for this object.\n\n@param nextToken The new value for the NextToken property for this object.",
"setterMethodName": "setNextToken",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "nextToken",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}]
"membersAsMap": {
"ElasticsearchVersions": {
  "beanStyleGetterMethodName": "getElasticsearchVersions",
  "beanStyleSetterMethodName": "setElasticsearchVersions",
  "c2jName": "ElasticsearchVersions"}
"c2jShape" : "ElasticsearchVersionList",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object. This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link ElasticsearchVersions(List<String>).Builder#build()} is called immediately and its result is passed to {@link ElasticsearchVersions(List<String>)}. param elasticsearchVersions a consumer that will call methods on {@link List<String>.Builder} and return a reference to this object so that method calls can be chained together. See ElasticsearchVersions(List<String>)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersions",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object. param elasticsearchVersions The new value for the ElasticsearchVersions property for this object. return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchVersions",
"getterDocumentation" : "Returns the value of the ElasticsearchVersions property for this object. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. return The value of the ElasticsearchVersions property for this object.",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchVersions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchVersions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String#builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #member(String)\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@see #member(String)\n"return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)"
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  }
}
new value for the Member property for this object.

@param member The
new value for the Member property for this object.

@}
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"variableNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : true,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions"}
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.",
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {

"variableDeclarationType" : "java.util.List<String>",
"variableName" : "elasticsearchVersions",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "java.util.List<String>",
"variableName" : "elasticsearchVersions",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null

"NextToken" : {

"beanStyleGetterMethodName" : "getNextToken",
"beanStyleSetterMethodName" : "setNextToken",
"c2jName" : "NextToken",
"c2jShape" : "NextToken",

"defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create
one manually via {@link String.Builder#builder()}. When the consumer completes, {

@param nextToken a consumer that will call methods on {

@return Returns a reference to this object so that method calls can be chained together.

@see #nextToken(String)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

The new value for the NextToken property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "nextToken",
}
"getterDocumentation" : "Returns the value of the NextToken property for this object.
@return The value of the NextToken property for this object."
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NextToken",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NextToken",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.
@param nextToken The new value for the NextToken property for this object."
"setterMethodName" : "setNextToken",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "nextToken"}
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getElasticsearchVersions",
"beanStyleSetterMethodName" : "setElasticsearchVersions",
"c2jName" : "ElasticsearchVersions",
"c2jShape" : "ElasticsearchVersionList",
"defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this
object.

This is a convenience that creates an instance of the [link List<String>.Builder] avoiding the need to
create one manually via {link List<String>#builder()}. When the [link Consumer] completes, {link
List<String>.Builder#build()} is called immediately and its result is passed to {link
ElasticsearchVersions(List<String>)}. Set @param elasticsearchVersions a consumer that will call methods on
{link List<String>.Builder} to return a reference to this object so that method calls can be chained
together.

@see ElasticsearchVersions(List<String>)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchVersions",
"fluentSetterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.

@param elasticsearchVersions The new value for the ElasticsearchVersions property for this object.

@return Returns a reference to this object so that method calls can be chained together.

@see ElasticsearchVersions(List<String>)",
"getterDocumentation" : "Returns the value of the ElasticsearchVersions property for this object.

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The value of the ElasticsearchVersions property for this object.

@see ElasticsearchVersions(List<String>)",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchVersions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchVersions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "ElasticsearchVersionString",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #member(String)}`. `member` a consumer that will call methods on `{@link String.Builder}`. @return Returns a reference to this object so that method calls can be chained together.@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object. @return Returns a reference to this object so that method calls can be chained together."",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.
The value of the Member property for this object. @return The value of the Member property for this object."",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "implType" : "java.util.ArrayList",
      "interfaceType" : "java.util.List",
      "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "ElasticsearchVersionString",
        "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #member(String)}`. `member` a consumer that will call methods on `{@link String.Builder}`. @return Returns a reference to this object so that method calls can be chained together.@see #member(String)",
        "deprecated" : false,
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        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "member",
        "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object. @return Returns a reference to this object so that method calls can be chained together."",
        "fluentSetterMethodName" : "member",
        "getterDocumentation" : "Returns the value of the Member property for this object.
The value of the Member property for this object. @return The value of the Member property for this object."",
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          "documentation" : null
        },
        "http" : {
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          "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false,
"
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
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"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object."

@param member The new value for the Member property for this object.

"setterMethodName": "setMember",
"setterModel": {
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  "variableName": "member",
  "variableType": "String",
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  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String"
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
}
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "ElasticsearchVersions",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the ElasticsearchVersions property for this object.\n\n@param
elasticsearchVersions The new value for the ElasticsearchVersions property for this object."
"setterMethodName" : "setElasticsearchVersions",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "elasticsearchVersions",
  "variableType" : "java.util.List<String>",
  "documentation" : 
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
} {
  "beanStyleGetterMethodName" : "getNextToken",
  "beanStyleSetterMethodName" : "setNextToken",
  "c2jName" : "NextToken",
  "c2jShape" : "NextToken",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the NextToken property for this
object.\n\nThis is a convenience that creates an instance of the [\link String.Builder] avoiding the need to create
one manually via [\link String.Builder].\n\nWhen the [\link Consumer Completes, [\link String.Builder#build()] is called immediately and its result is passed to [\link #nextToken(String)].\n\n@param
nextToken a consumer that will call methods on [\link String.Builder]\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #nextToken(String)"
"deprecated" : false,
"documentation" : ""
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "nextToken",
"fluentSetterMethodName" : "nextToken",
"fluentSetterDocumentation" : "Sets the value of the NextToken property for this object.

@param nextToken
The new value for the NextToken property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Returns the value of the NextToken property for this object.

@return The value of the NextToken property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "NextToken",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "NextToken",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NextToken",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the NextToken property for this object.

@param nextToken
The new value for the NextToken property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setNextToken",
"setterModel" : {
   "variableDeclarationType" : "String"
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "nextToken",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqn" : null,
"required" : null,
"shapeName" : "ListElasticsearchVersionsResponse",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ListElasticsearchVersionsResponse",
"variableName" : "listElasticsearchVersionsResponse",
"variableType" : "ListElasticsearchVersionsResponse",
"documentation" : null,
"simpleType" : "ListElasticsearchVersionsResponse",
"variableSetterType" : "ListElasticsearchVersionsResponse"
},
"wrapper" : false
},
"ListTagsRequest" : {
"c2jName" : "ListTagsRequest",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the <code><a>ListTags</a></code> operation. Specify
the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view are attached.

```
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
    "action" : "ListTags",
    "locationName" : null,
    "requestUri" : "/2015-01-01/tags/",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
},
"members" : [ {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

This is a convenience that creates an instance of the `{ @link String.Builder } avoiding the need to create one manually via `{ @link String#builder() }`. When the `{ @link Consumer } completes, `{ @link String.Builder#build() } is called immediately and its result is passed to `{ @link #arn(String) }` a consumer that will call methods on `{ @link String.Builder }` as mentioned above. In this way, a reference to this object so that method calls can be chained together.

@see #arn(String)

```
"deprecated" : false,
"documentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

```
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

```
@see #arn(String)

```
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

```
@see #arn(String)

```
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
    "action" : "ListTags",
    "locationName" : null,
    "requestUri" : "/2015-01-01/tags/",
    "target" : null,
    "verb" : "GET",
    "xmlNameSpaceUri" : null
},
"members" : [ {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

This is a convenience that creates an instance of the `{ @link String.Builder } avoiding the need to create one manually via `{ @link String#builder() }`. When the `{ @link Consumer } completes, `{ @link String.Builder#build() } is called immediately and its result is passed to `{ @link #arn(String) }` a consumer that will call methods on `{ @link String.Builder }` as mentioned above. In this way, a reference to this object so that method calls can be chained together.

@see #arn(String)

```
"deprecated" : false,
"documentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

```
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

```
@see #arn(String)

```
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the `<code>ARN</code>` for the Elasticsearch domain to which the tags are attached that you want to view.

```
@see #arn(String)

```
are attached that you want to view.

@return Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "arn",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "arn",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "ARN",

"setterDocumentation" : "Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.

"setterMethodName" : "setArn",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String"
"variableName" : "arn",
"variableType" : "String",
"documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
] ]
,"membersAsMap" : {
"ARN" : {
"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch
domain to which the tags are attached that you want to view.</p>This is a convenience that creates an instance of
the {
@link String.Builder
}\ avoiding the need to create one manually via {
@link String#builder()\n\nWhen the
{@link Consumer} completes, {
@link String.Builder#build()
}\ is called immediately and its result is passed to
{@link String}.\n@param arn a consumer that will call methods on {
@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #arn(String)",
"deprecated" : false,
"documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p>
@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
@return Returns a reference to this object so that method calls can be chained together."",
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are
attached that you want to view.</p>
@returns Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view."
,"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": "queryString",
"marshallLocation": "QUERY_PARAM",
"marshallLocationName": "arn",
"queryString": true,
"statusCode": false,
"unmarshallLocationName": "arn",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"sensitive": false,
"setterDocumentation": "\n\nSpecify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
\n\n### Parameters

Set the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

**name**

Set the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

**setting**

Set `arn` to the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

- **arn**
  
  Set the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

**arn**

Set the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

**xmlNameSpaceUri**

Set `arn` to the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

- **xmlNameSpaceUri**
  
  Set `arn` to the `ARN` for the Elasticsearch domain to which the tags are attached that you want to view.

- **nonStreamingMembers**: [ 

"beanStyleGetterMethodName" : "getArn",
"beanStyleSetterMethodName" : "setArn",
"c2jName" : "ARN",
"c2jShape" : "ARN",
"defaultConsumerFluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
This is a convenience that creates an instance of the <code>{@link String.Builder}</code> avoiding the need to create one manually via <code>{@link String#builder()}</code>. When the <code>{@link Consumer} completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #arn(String)}<code>. When the <code>{@link #arn(String)}<code> a consumer that will call methods on <code>{@link String.Builder}</code> a reference to this object so that method calls can be chained together.<code>@see #arn(String)</code>.

"deprecated" : false,
"documentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>
@param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "arn",
"getterDocumentation" : "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view.</p>",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : "querystring",
  "marshallLocation" : "QUERY_PARAM",
  "marshallLocationName" : "arn",
  "queryString" : true,
  "statusCode" : false,
  "unmarshallLocationName" : "arn",
  "uri" : false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"sensitive": false,
"setterDocumentation": "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view. </p> \n @param arn Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view. ",
"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "<p> Specify the <code>ARN</code> for the Elasticsearch domain to which the tags are attached that you want to view. </p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "ARN" ],
"shapeName": "ListTagsRequest",
"simpleMethod": false,
"Unmarshaller": null,
"variable": {
  "variableDeclarationType": "ListTagsRequest",
  "variableName": "listTagsRequest",
  "variableType": "ListTagsRequest",
  "documentation": null,
  "simpleType": "ListTagsRequest",
  "variableSetterType": "ListTagsRequest"
The result of a `ListTags` operation. Contains tags for all requested Elasticsearch domains.

This is a convenience that creates an instance of the `{@link List<Tag>.Builder}` avoiding the need to create one manually via `{@link List<Tag>#builder()}`. When the `{@link Consumer}` completes, `{@link List<Tag>.Builder#build()}` is called immediately and its result is passed to `{@link #tagList(List<Tag>)}`.

Returns a reference to this object so that method calls can be chained together.

See `{@link #tagList(List<Tag>)}`
@param tagList List of <code>Tag</code> for the requested Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "tagList",
"getterDocumentation" : "&lt;p&gt; List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.&lt;/p&gt;&lt;/p&gt;&lt;n&gt;UnAttempts to modify the collection returned by this method will result in an
UnsupportedOperationException.&lt;/n&gt;&lt;/n&gt;&lt;n&gt;List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.&lt;

"getterModel" : {
"returnType" : "java.util.List&lt;Tag&gt;",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "Tag",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag#builder()].

When the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link #member(Tag)].

@see #member(Tag)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"variableType": "Tag",
"documentation": null,
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Tag",
  "variableName": "member",
  "variableType": "Tag",
  "documentation": "",
  "simpleType": "Tag",
  "variableSetterType": "Tag"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "Tag",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "Tag",
"templateImplType": "java.util.ArrayList<Tag>",
"templateType": "java.util.List<Tag>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "TagList",
"sensitive": false,
"setterDocumentation": "<p>List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.</p><p>@param tagList List of &lt;code&gt;Tag&lt;/code&gt; for the requested Elasticsearch domain.
"setterMethodName": "setTagList",
"setterModel": {
  "variableDeclarationType": "java.util.List<Tag>",
  "variableName": "tagList",
  "variableType": "java.util.List<Tag>",
  "documentation": null,
  "simpleType": "List<Tag>",
  "variableSetterType": "java.util.Collection<Tag>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<Tag>",
  "variableName": "tagList",
  "variableType": "java.util.List<Tag>",
  "documentation": null,
  "simpleType": "Tag",
  "variableSetterType": "Tag"
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Tag",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [@link Tag.Builder] avoiding the need to create one manually via [@link Tag#builder()]. When the [@link Consumer] completes, [@link Tag.Builder#build()] is called immediately and its result is passed to [@link #member(Tag)].
@see #member(Tag)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "member",
  "fluentEnumSetterMethodName" : null,
  "fluentGetterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@para member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
  "getterModel" : {
    "returnType" : "Tag",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
  },
"isBinary" : false,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagList",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagList",
"uri" : false
}
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : "",
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "Tag"
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
],
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"敏感" : false,
"setterDocumentation" : "<p>List of <code>Tag</code> for the requested Elasticsearch domain.</p>
@param tagList List of <code>Tag</code> for the requested Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : null,
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>")
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "<p>List of <code>Tag</code> for the requested Elasticsearch domain.</p>
  "simpleType" : "List<Tag>",
  "variableSetterType" : "java.util.Collection<Tag>")
},
"xmlNameSpaceUri" : null
}
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getTagList",
  "beanStyleSetterMethodName" : "setTagList",
  "c2jName" : "TagList",
  "c2jShape" : "TagList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of <code>Tag</code> for the requested Elasticsearch domain.</p>
This is a convenience that creates an instance of the {[@link List<Tag>].Builder] avoiding the need to create one manually via {[@link List<Tag>#builder()]}. When the {[@link Consumer] completes, {[@link List<Tag>.Builder#build()]} is called immediately and its result is passed to {[@link #tagList(List<Tag>)]}.<p>@param tagList a consumer that will call methods on {[@link List<Tag>.Builder]})
@return Returns a reference to this object so that method calls can be chained together.<p>@see #tagList(List<Tag>)",

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"deprecated": false,
"documentation": " List of <code>Tag</code> for the requested Elasticsearch domain."
@end_param
@end_return
List of <code>Tag</code> for the requested Elasticsearch domain.

@return Returns a reference to this object so that method calls can be chained together."

"getterDocumentation": " List of <code>Tag</code> for the requested Elasticsearch domain.
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException."
@end_return
List of <code>Tag</code> for the requested Elasticsearch domain.

"getterModel": {
  "returnType": "java.util.List<Tag>",
  "documentation": null
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"http": {
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "TagList",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "TagList",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2jName": "member"
  }
}
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [Tag.Builder] avoiding the need to create one manually via [Tag.Builder.build()]. When the [Consumer] completes, [Tag.Builder.build()] is called immediately and its result is passed to [member(Tag)].

@see #member(Tag)

@return Returns a reference to this object so that method calls can be chained together.

@deprecated false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@see #member(Tag)

@return Returns a reference to this object so that method calls can be chained together.

@http {"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false}

@idempotencyToken" false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Tag",
  "variableName" : "member",
  "variableType" : "Tag",
  "documentation" : null,
  "simpleType" : "Tag",
  "variableSetterType" : "Tag"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "Tag",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "Tag",
"templateImplType" : "java.util.ArrayList<Tag>",
"templateType" : "java.util.List<Tag>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagList",
"sensitive" : false,
"setterDocumentation" : "List of <code>Tag</code> for the requested Elasticsearch domain.\n@param tagList List of <code>Tag</code> for the requested Elasticsearch domain.",
"setterMethodName" : "setTagList",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "TagList",
  "variableSetterType" : "TagList"
}
"variableType" : "java.util.List<Tag>",
"documentation" : null,
"simpleType" : "List<Tag>",
"variableSetterType" : "java.util.Collection<Tag>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<Tag>",
  "variableName" : "tagList",
  "variableType" : "java.util.List<Tag>",
  "documentation" : "List of <code>Tag</code> for the requested Elasticsearch domain."
},
"xmlNameSpaceUri" : null
]},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ListTagsResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ListTagsResponse",
  "variableName" : "listTagsResponse",
  "variableType" : "ListTagsResponse",
  "documentation" : null,
  "simpleType" : "ListTagsResponse",
  "variableSetterType" : "ListTagsResponse"
},
"wrapper" : false
},
"LogPublishingOption" : {
  "c2jName" : "LogPublishingOption",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Log Publishing option that is set for given domain. Attributes and their details: 
  <ul>
  <li>CloudWatchLogsLogGroupArn: ARN of the Cloudwatch log group to which log needs to be published.
  </li>
"Enabled": Whether the log publishing for given log type is enabled or not

"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [
  {
    "beanStyleGetterMethodName": "getCloudWatchLogsLogGroupArn",
    "beanStyleSetterMethodName": "setCloudWatchLogsLogGroupArn",
    "c2jName": "CloudWatchLogsLogGroupArn",
    "c2jShape": "CloudWatchLogsLogGroupArn",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

This is a convenience that creates an instance of the {String.Builder} avoiding the need to create one manually via {String.Builder}.

When the {Consumer} completes, {String.Builder} is called immediately and its result is passed to {CloudWatchLogsLogGroupArn(String)}.

@param cloudWatchLogsLogGroupArn a consumer that will call methods on {String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #cloudWatchLogsLogGroupArn(String)",
  "deprecated": false,
  "documentation": "",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "cloudWatchLogsLogGroupArn",
  "fluentSetterDocumentation": "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.
@return Returns a reference to this object so that method calls can be chained together.
",
  "fluentSetterMethodName": "cloudWatchLogsLogGroupArn",
  "getterDocumentation": "Returns the value of the CloudWatchLogsLogGroupArn property for this object."
},
  "getterModel": {
    "returnType": "String",
    "documentation": null
  },
  "http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CloudWatchLogsLogGroupArn",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
"uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"sensitive" : false,

"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object."

"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}. @param enabled a consumer that will call methods on {@link Boolean.Builder}\n@see #enabled(Boolean)\n
"deprecated" : false,
"documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>\n"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>
@return Specifies whether given log publishing option is enabled or not.

"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies whether given log publishing option is enabled or not.</p>@param enabled Specifies whether given log publishing option is enabled or not.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specifies whether given log publishing option is enabled or not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : ""<p>Specifies whether given log publishing option is enabled or not.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "CloudWatchLogsLogGroupArn" : {
    "beanStyleGetterMethodName" : "getCloudWatchLogsLogGroupArn",
    "beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
    "c2jName" : "CloudWatchLogsLogGroupArn",
    "c2jShape" : "CloudWatchLogsLogGroupArn",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\nThis is a convenience that creates an instance of the [\link String.Builder] avoiding the need to create one manually via [\link String#builder()].\nWhen the [\link Consumer] completes, [\link String.Builder#build()] is called immediately and its result is passed to [\link CloudWatchLogsLogGroupArn(String)].\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #cloudWatchLogsLogGroupArn(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
"fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@inputParam cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "cloudWatchLogsLogGroupArn",
"getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object.

@returns The value of the CloudWatchLogsLogGroupArn property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CloudWatchLogsLogGroupArn",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@inputParam cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object.",
"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String"}
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Enabled" : {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>\nThis is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to create one manually via { @link Boolean#builder() }. \n\nWhen the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link #enabled(Boolean) }. \n\n@deprecated\n\n@see #enabled(Boolean)",
  "documentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>\n\n@endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not. </p>\n\n@return Returns a reference to this object so that method calls can be chained together. \n\n@see #enabled(Boolean)",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "Enabled",
"queryString": false,
"statusCode": false,
"marshallLocationName": "Enabled",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"variable": {
"simple": true,
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"nsNameSpaceUri": null
}]

"nonStreamingMembers": [

"beanStyleGetterMethodName": "getCloudWatchLogsLogGroupArn",
"getterMethodName": "setEnabled",
"getterModel": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": "<p> Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.

"setterMethodName": "setEnabled",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": "<p> Specifies whether given log publishing option is enabled or not.</p>
@param enabled Specifies whether given log publishing option is enabled or not.

"setterMethodName": "setEnabled",
"setterModel": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Boolean",
"variableName": "enabled",
"variableType": "Boolean",
"documentation": null,
"simpleType": "Boolean",
"variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
}]

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"beanStyleSetterMethodName" : "setCloudWatchLogsLogGroupArn",
"c2jName" : "CloudWatchLogsLogGroupArn",
"c2jShape" : "CloudWatchLogsLogGroupArn",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}\n\nWhen the {@link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #cloudWatchLogsLogGroupArn(String)}\n\n\n@link String.Builder\n\n@param cloudWatchLogsLogGroupArn a consumer that will call methods on {\link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #cloudWatchLogsLogGroupArn(String)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cloudWatchLogsLogGroupArn",
"fluentSetterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.\n\nThe new value for the CloudWatchLogsLogGroupArn property for this object.\n\n@link String.Builder\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #cloudWatchLogsLogGroupArn(String)",

"getterDocumentation" : "Returns the value of the CloudWatchLogsLogGroupArn property for this object.\n\n\n@link String.Builder\n\n@return The value of the CloudWatchLogsLogGroupArn property for this object.\n\n@see #cloudWatchLogsLogGroupArn(String)"

"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "CloudWatchLogsLogGroupArn",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "CloudWatchLogsLogGroupArn",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CloudWatchLogsLogGroupArn",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the CloudWatchLogsLogGroupArn property for this object.

@param cloudWatchLogsLogGroupArn The new value for the CloudWatchLogsLogGroupArn property for this object."

"setterMethodName" : "setCloudWatchLogsLogGroupArn",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "cloudWatchLogsLogGroupArn",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>

This is a convenience that creates an instance of the { @link Boolean.Builder} avoiding the need to create one manually via { @link Boolean#builder()}. 

When the { @link Consumer} completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link #enabled(Boolean)}. 

@returns Returns a reference to this object so that method calls can be chained together.

@see #enabled(Boolean)"

"deprecated" : false,
"documentation" : "<p> Specifies whether given log publishing option is enabled or not.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.\n@param enabled Specifies whether given log publishing option is enabled or not.\n@return Returns a reference to this object so that method calls can be chained together.\n</p>\n@param enabled Specifies whether given log publishing option is enabled or not.\n@return Specifies whether given log publishing option is enabled or not.\n"
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.\n@return Specifies whether given log publishing option is enabled or not.\n"
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Enabled",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies whether given log publishing option is enabled or not.\n@param enabled Specifies whether given log publishing option is enabled or not.\n@return Specifies whether given log publishing option is enabled or not.\n"
"setterMethodname" : "setEnabled",
"setterModel" : {
"variableDeclarationType" : "Boolean",
"variableName" : "enabled",
"variableType" : "Boolean",
"documentation" : null,
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"}
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": "<p>Specifies whether given log publishing option is enabled or not.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "LogPublishingOption",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "logPublishingOption",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"wrapper": false
],
"LogPublishingOptionsStatus": {
  "c2jName": "LogPublishingOptionsStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>The configured log publishing options for the domain and their current status.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
    "beanStyleGetterMethodName" : "getOptionsAsStrings",
    "beanStyleSetterMethodName" : "setOptionsWithStrings",
    "c2jName" : "Options",
    "c2jShape" : "LogPublishingOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>This is a convenience that creates an instance of the \{ @link
Map<String,LogPublishingOption>\} avoiding the need to create one manually via \{ @link
Map<String,LogPublishingOption>#builder()\}. When the \{ @link Consumer \} completes, \{ @link
Map<String,LogPublishingOption>\} .Builder#build() is called immediately and its result is passed to \{ @link
#optionsAsStrings(Map<String,LogPublishingOption>)\}. @param options a consumer that will call methods on \{ @link Map<String,LogPublishingOption>\} .Builder\}@return Returns a reference to this object so that method calls can be chained together.\n@see #optionsWithStrings(Map<String,LogPublishingOption>)",
    "deprecated" : false,
    "documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : "options",
    "fluentEnumSetterMethodName" : "options",
    "fluentGetterMethodName" : "optionsAsStrings",
    "fluentSetterMethodName" : "optionsWithStrings",
    "fluentSetterDocumentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
At\ntempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n@returns The log publishing options configured for the Elasticsearch domain."
],
"getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n@param key The new value for the Key property for this object.\n@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableSetterType" : "String",
},
"xmlNameSpaceUri" : null
},
"valueLocationName": "value",
"valueModel": {
    "beanStyleGetterMethodName": "getValue",
    "beanStyleSetterMethodName": "setValue",
    "c2jName": "value",
    "c2jShape": "LogPublishingOption",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the {@link LogPublishingOption.Builder} avoiding the need to create one manually via {@link LogPublishingOption#builder()}. When the {@link Consumer} completes, {@link LogPublishingOption.Builder#build()} is called immediately and its result is passed to {@link LogPublishingOption.Builder#build()}.

- @param value a consumer that will call methods on {@link LogPublishingOption.Builder}
- @return Returns a reference to this object so that method calls can be chained together.
- @see #value(LogPublishingOption)
"
,  "deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object.
- @param value The new value for the Value property for this object.
- @return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.
- @return The value of the Value property for this object.
",
"getterModel": {
    "returnType": "LogPublishingOption",
    "documentation": null
  },
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "value",
    "queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false,

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"sensitive": false,
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": "",
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null,

"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"

"marshallingType": "MAP",
"name": "Options",
"sensitive": false,
"setterDocumentation": "The log publishing options configured for the Elasticsearch domain.

@param options The log publishing options configured for the Elasticsearch domain.",
"setterMethodName": "setOptionsWithStrings",
"setterModel": {
  "variableDeclarationType": "java.util.Map<String,LogPublishingOption>"
}
"variableName" : "options",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : null,
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
"variableName" : "options",
"variableType" : "java.util.Map<String,LogPublishingOption>",
"documentation" : "<p>The log publishing options configured for the Elasticsearch domain.\</p>",
"simpleType" : "Map<String,LogPublishingOption>",
"variableSetterType" : "java.util.Map<String,LogPublishingOption>",
"simple" : false,
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>\nThis is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}.\nWhen the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.\n@throws status a consumer that will call methods on { @link OptionStatus.Builder}\n@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
@endpointDiscoveryId" : false,
The status of the log publishing options for the Elasticsearch domain. See OptionStatus for the status information that's included.

public OptionStatus getLogPublisherStatus()
{
    return status;
}

public void setLogPublisherStatus(OptionStatus status)
{
    this.status = status;
}
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. 

"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
] },
"membersAsMap" : {
"Options" : {
"beanStyleGetterMethodName" : "getOptionsAsStrings",
"beanStyleSetterMethodName" : "setOptionsWithStrings",
"c2jName" : "Options",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "The log publishing options configured for the Elasticsearch domain.

This is a convenience that creates an instance of the { @link Map<String,LogPublishingOption> Builder} avoiding the need to create one manually via { @link Map<String,LogPublishingOption>#builder()}. When the { @link Consumer} completes, { @link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to { @link Map<String,LogPublishingOption>#optionsAsStrings(Map<String,LogPublishingOption>)}. 

@param options a consumer that will call methods on { @link Map<String,LogPublishingOption>.Builder} 
@returns Returns a reference to this object so that method calls can be chained together.

@see #optionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "The log publishing options configured for the Elasticsearch domain.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@returns The log publishing options configured for the Elasticsearch domain.

@throws UnsupportedOperationException
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "options",
"fluentEnumSetterMethodName" : "options",
"fluentGetterMethodName" : "optionsAsStrings",
"fluentSetterMethodName" : "optionsWithStrings",
"fluentSetterDocumentation" : "The log publishing options configured for the Elasticsearch domain.

@returns The log publishing options configured for the Elasticsearch domain.

@throws UnsupportedOperationException
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
"getterDocumentation" : "The log publishing options configured for the Elasticsearch domain.

@returns The log publishing options configured for the Elasticsearch domain.

@throws UnsupportedOperationException
@see #optionsWithStrings(Map<String,LogPublishingOption>)",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
].
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String.Builder\#.build()\}.\nWhen the \{ @link Consumer\} completes, \{ @link String.Builder\#.build()\} is called immediately and its result is passed to \{ @link LogType\#.keyAsString(String)\}\n@deprecated\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogType",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThe new value for the Key property for this object.\n@see LogType\n@deprecated\n}@return Returns a reference to this object so that method calls can be chained together.\n@see LogType",
  "fluentSetterMethodName" : "key",
  "getterDocumentation" : "Returns the value of the Key property for this object.\nIf the service returns an enum value that is not available in the current SDK version, \{ @link \#key\} will return \{ @link

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LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #keyAsString }\n</p>@return The value of the Key property for this object.\n@see LogType",

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "key",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "key",
    "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n@see LogType",

"setterMethodName" : "setKey",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "key",
}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
"beanStyleGetterMethodName": "getValue",
"beanStyleSetterMethodName": "setValue",
"c2jName": "value",
"c2jShape": "LogPublishingOption",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \[@\]LogPublishingOption.Builder\] avoiding the need to create one manually via \[@\]LogPublishingOption.Builder\].\n\nWhen the \[@\]Consumer\] completes, \[@\]LogPublishingOption.Builder\#build()\] is called immediately and its result is passed to \[@\]LogPublishingOption\].\n\n@\param value a consumer that will call methods on \[@\]LogPublishingOption.Builder\]\n\n@\return Returns a reference to this object so that method calls can be chained together.\n\n@see #value(LogPublishingOption)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "value",
"fluentSetterDocumentation": "Sets the value of the Value property for this object.\n\n@\param value The new value for the Value property for this object.\n\n@\return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "value",
"getterDocumentation": "Returns the value of the Value property for this object.\n\n@\return The value of the Value property for this object.",
"getterModel": {
"returnType": "LogPublishingOption",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"simple": false,
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."

"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},
"marshallingType": "MAP",
"name": "Options",
"sensitive": false,
"setterDocumentation": "\n<p>The log publishing options configured for the Elasticsearch domain.\n\n@param options The log publishing options configured for the Elasticsearch domain.\n</p>"
"setterMethodName" : "setOptionsWithStrings",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "options",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "<p>The log publishing options configured for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus#status(OptionStatus)}.

@see #status(OptionStatus)
@link OptionStatus#status(OptionStatus)
@link OptionStatus.Builder
@link OptionStatus.Builder#build()";
  "deprecated" : false,
  "documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
"endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>";
  "fluentSetterType" : "java.util.Map<String,LogPublishingOption>",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>";
  "xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>
"endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>";
  "fluentSetterType" : "java.util.Map<String,LogPublishingOption>",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>";
  "xmlNameSpaceUri" : null
}
}
"fluentSetterMethodName" : "status",
"getterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.\n\n\n@return The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included."

"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Status",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "SDK_POJO",

"name" : "Status",

"setterDocumentation" : "The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.\n\n@param status The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included."

"setterMethodName" : "setStatus",

"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
}
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "The status of the log publishing options for the Elasticsearch domain. See
  \<code>OptionStatus</code> for the status information that's included. \</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptionsAsStrings",
  "beanStyleSetterMethodName" : "setOptionsWithStrings",
  "c2jName" : "Options",
  "c2jShape" : "LogPublishingOptions",
  "defaultConsumerFluentSetterDocumentation" : "The log publishing options configured for the Elasticsearch domain.\<p>\n\"This is a convenience that creates an instance of the \{ @link Map\<String,LogPublishingOption\>.Builder\} avoiding the need to create one manually via \{ @link Map\<String,LogPublishingOption\>#builder\}\.\n\nWhen the \{ @link Consumer\} completes, \{ @link Map\<String,LogPublishingOption\>.Builder#build\} is called immediately and its result is passed to \{ @link
  \#optionsAsString\(Map\<String,LogPublishingOption\>\)\}.\n\param options a consumer that will call methods on \{ @link Map\<String,LogPublishingOption\>.Builder\}\n\return Returns a reference to this object so that method calls can be chained together.\n\@see \#optionsWithString\(\\text{Map\<String,LogPublishingOption\>}\)\",
  "deprecated" : false,
  "documentation" : "The log publishing options configured for the Elasticsearch domain.\</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "options",
  "fluentEnumSetterMethodName" : "options",
  "fluentGetterMethodName" : "optionsAsStrings",
  "fluentSetterDocumentation" : "The log publishing options configured for the Elasticsearch domain.\</p>\n\@param options The log publishing options configured for the Elasticsearch domain.\n\@return Returns a reference to this object so that method calls can be chained together.\"",
  "fluentSetterMethodName" : "optionsWithStrings",
  "getterDocumentation" : "The log publishing options configured for the Elasticsearch domain.\</p>\n\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\</p>\n\@return The log publishing options configured for the Elasticsearch domain.\",
  "getterModel" : {
    "returnType" : "java.util.Map\<String,LogPublishingOption\>\",
    "documentation" : null
  },
  
  },
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": true,
"mapModel": {
  "implType": "java.util.HashMap",
  "interfaceType": "java.util.Map",
  "keyLocationName": "key",
  "keyModel": {
    "beanStyleGetterMethodName": "getKeyAsString",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "key",
    "c2jShape": "LogType",
    "defaultConsumerFluentSetterDocumentation": "Sets the value of the Key property for this object. This is a convenience that creates an instance of the { @link string.Builder} avoiding the need to create one manually via { @link string.Builder#builder()}. When the { @link Consumer} completes, { @link string.Builder#build()} is called immediately and its result is passed to { @link #keyAsString(String)}. @param key a consumer that will call methods on { @link string.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #key(String)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": "LogType",
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": "key",
    "fluentEnumSetterMethodName": "key",
    "fluentGetterMethodName": "keyAsString",
    "fluentSetterDocumentation": "Sets the value of the Key property for this object.  @param key The new value for the Key property for this object. @see LogType @return Returns a reference to this object so that"}
method calls can be chained together.\n@see LogType",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\nIf the service returns
an enum value that is not available in the current SDK version, {@link #key} will return {@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #keyAsString}.\n\n@see LogType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "key",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "key",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "STRING",
    "name" : "Key",
    "sensitive" : false,
    "setterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value
for the Key property for this object.\n@see LogType",
    "setterMethodName" : "setKey",
    "setterModel" : {
        "variableDeclarationType" : "String",
        "variableName" : "key",
        "variableType" : "String",
        "documentation" : null,
        "simpleType" : "String",
        "variableSetterType" : "String"
    },
    "simple" : true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "key",
    "variableType": "String",
    "documentation": "",
    "simpleType": "String",
    "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"valueLocationName": "value",
"valueModel": {
    "beanStyleGetterMethodName": "getValue",
    "beanStyleSetterMethodName": "setValue",
    "c2jName": "value",
    "c2jShape": "LogPublishingOption",
    "defaultValueForSetterDocumentation": "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{ @link LogPublishingOption.Builder\} avoiding the need to create one manually via \{ @link LogPublishingOption#builder()\}. When the \{ @link Consumer\} completes, \{ @link LogPublishingOption.Builder#build()\} is called immediately and its result is passed to \{ @link #value(LogPublishingOption)\}.\n\n@see #value(LogPublishingOption)",
    "deprecated": false,
    "documentation": "",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "value",
    "fluentSetterDocumentation": "Sets the value of the Value property for this object. The new value for the Value property for this object.\n\n\n@see #value(LogPublishingOption)",
    "fluentSetterMethodName": "value",
    "getterDocumentation": "Returns the value of the Value property for this object.\n\n@return The value of the Value property for this object.\",
    "getterModel": {
        "returnType": "LogPublishingOption",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : null,
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "LogPublishingOption",
  "variableName" : "value",
  "variableType" : "LogPublishingOption",
  "documentation" : "",
  "simpleType" : "LogPublishingOption",
  "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
],
"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
The log publishing options configured for the Elasticsearch domain.

The status of the log publishing options for the Elasticsearch domain. See OptionStatus for the status information that's included.

This is a convenience that creates an instance of the OptionStatus.Builder avoiding the need to create one manually via OptionStatus.Builder(). When the Consumer completes, OptionStatus.Builder#build() is called immediately and its result is passed to #status(OptionStatus).

Returns a reference to this object so that method calls can be chained together.

The status of the log publishing options for the Elasticsearch domain. See OptionStatus for the status information that's included.

The log publishing options configured for the Elasticsearch domain.
<code>OptionStatus</code> for the status information that's included.  

```java
@Param

public OptionStatus status() {
    return this.status;
}
```

The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

```java
public OptionStatus status() {
    return this.status;
}
```

The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.

```java
public OptionStatus status() {
    return this.status;
}
```

The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included.
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p>The status of the log publishing options for the Elasticsearch domain. See <code>OptionStatus</code> for the status information that's included. </p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LogPublishingOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "LogPublishingOptionsStatus",
"variableName" : "logPublishingOptionsStatus",
"variableType" : "LogPublishingOptionsStatus",
"documentation" : null,
"simpleType" : "LogPublishingOptionsStatus",
"variableSetterType" : "LogPublishingOptionsStatus"
},
"wrapper" : false
},
"LogType" : {
"c2jName" : "LogType",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Type of Log File, it can be one of the following: <ul><li>INDEX_SLOW_LOGS: Index slow logs contain insert requests that took more time than configured index query log threshold to execute.</li><li>SEARCH_SLOW_LOGS: Search slow logs contain search queries that took more time than configured search
query log threshold to execute.</li> <li>ES_APPLICATION_LOGS: Elasticsearch application logs contain information about errors and warnings raised during the operation of the service and can be useful for troubleshooting.</li>"},
"endpointDiscovery" : null,
"enums" : [ {
  "name" : "INDEX_SLOW_LOGS",
  "value" : "INDEX_SLOW_LOGS"
}, {
  "name" : "SEARCH_SLOW_LOGS",
  "value" : "SEARCH_SLOW_LOGS"
}, {
  "name" : "ES_APPLICATION_LOGS",
  "value" : "ES_APPLICATION_LOGS"
} ],
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "LogType",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "LogType",
  "variableName" : "logType",
  "variableType" : "LogType",
  "documentation" : null,
  "simpleType" : "LogType",
  "variableSetterType" : "LogType"
},
"wrapper" : false
},
"NodeToNodeEncryptionOptions" : {
  "c2jName" : "NodeToNodeEncryptionOptions",
...
"customization" : {
  "artificialResultWrapper" : null,
  "skipGeneratingMarshaller" : false,
  "skipGeneratingModelClass" : false,
  "skipGeneratingUnmarshaller" : false,
  "staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Specifies the node-to-node encryption options.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : false,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}. @param enabled a consumer that will call methods on {@link Boolean.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #enabled(Boolean)",
  "deprecated" : false,
  "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "enabled",
  "fluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>@param enabled Specify true to enable node-to-node encryption.@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "enabled",
  "getterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>@return Specify true to enable node-to-node encryption.",
  "getterModel" : {
"returnType": "Boolean",
"documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Enabled",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Enabled",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "Enabled",
"simpleType": false,
"setterDocumentation": "<p>Specify true to enable node-to-node encryption.</p><p>@param enabled Specify true to enable node-to-node encryption.</p>.",
"setterMethodName": "setEnabled",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "enabled",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean",
  "setterDocumentation": "<p>Specify true to enable node-to-node encryption.</p>"
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
"Enabled" : {
"beanStyleGetterMethodName" : "getEnabled",
"beanStyleSetterMethodName" : "setEnabled",
"c2jName" : "Enabled",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #enabled(Boolean)}. @param enabled a consumer that will call methods on {@link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together.@see #enabled(Boolean)",
"deprecated" : false,
"documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
@param enabled Specify true to enable node-to-node encryption.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Specify true to enable node-to-node encryption.",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Enabled",
"queryString" : false,
"statusCode" : false,
"variableSetterType" : "Boolean"
}.
"unmarshallLocationName" : "Enabled",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"sensitive" : false,
"setterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
@param enabled Specify true to enable node-to-node encryption.

"setterMethodName" : "setEnabled",
"setterModel" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
    "variableType" : "Boolean",
    "documentation" : null,
    "simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "enabled",
    "variableType" : "Boolean",
    "documentation" : "<p>Specify true to enable node-to-node encryption.</p>
"simpleType" : "Boolean",
    "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}
],

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getEnabled",
  "beanStyleSetterMethodName" : "setEnabled",
  "c2jName" : "Enabled",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>

This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to create one manually via { @link Boolean#builder() }.

When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link #enabled(Boolean) }.

@param enabled a consumer that will call methods on { @link Boolean.Builder }.

@return Returns a reference to this object so that method calls can be chained together.

@see #enabled(Boolean)".}
"deprecated" : false,
"documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "enabled",
"fluentSetterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
@param enabled Specify true to enable node-to-node encryption.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "enabled",
"getterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
@return Specify true to enable node-to-node encryption.",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Enabled",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Enabled",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Enabled",
"敏感" : false,
"setterDocumentation" : "<p>Specify true to enable node-to-node encryption.</p>
@param enabled Specify true to enable node-to-node encryption.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setEnabled",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "enabled",
  "variableType" : "Boolean",
  "documentation" : "<p>Specify true to enable node-to-node encryption.</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "NodeToNodeEncryptionOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "nodeToNodeEncryptionOptions",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"wrapper" : false
},
"NodeToNodeEncryptionOptionsStatus" : {
  "c2jName" : "NodeToNodeEncryptionOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  }
}
"deprecated" : false,
"documentation" : "<p>Status of the node-to-node encryption options for the specified Elasticsearch domain.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions",
  "c2jName" : "Options",
  "c2jShape" : "NodeToNodeEncryptionOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  \n  This is a convenience that creates an instance of the \{ @link NodeToNodeEncryptionOptions.Builder \} avoiding the need to create one manually via \{ @link NodeToNodeEncryptionOptions#builder() \}.\n\n  When the \{ @link Consumer \} completes, \{ @link NodeToNodeEncryptionOptions.Builder#build() \} is called immediately and its result is passed to \{ @link #options(NodeToNodeEncryptionOptions) \}.\n\n  @param options a consumer that will call methods on \{ @link NodeToNodeEncryptionOptions.Builder\}\n\n  @return Returns a reference to this object so that method calls can be chained together.\n\n  @see #options(NodeToNodeEncryptionOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "options",
  "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
  \n  @param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n\n  @return Returns a reference to this object so that method calls can be chained together.\n\n  @see #options(NodeToNodeEncryptionOptions)",
  "fluentSetterMethodName" : "options",
  "getterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
\n  @return Specifies the node-to-node encryption options for the specified Elasticsearch domain."
  "getterModel" : { 
    "returnType" : "NodeToNodeEncryptionOptions",
    "documentation" : null
  }
],
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n\n  @param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.\n\n  @return Specifies the node-to-node encryption options for the specified Elasticsearch domain."
  "getterModel" : {
    "returnType" : "NodeToNodeEncryptionOptions",
    "documentation" : null
  },
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"setterDocumentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.",

"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "NodeToNodeEncryptionOptions",
  "variableName": "options",
  "variableType": "NodeToNodeEncryptionOptions",
  "documentation": null,
  "simpleType": "NodeToNodeEncryptionOptions",
  "variableSetterType": "NodeToNodeEncryptionOptions"
},

"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "NodeToNodeEncryptionOptions",
  "variableName": "options",
  "variableType": "NodeToNodeEncryptionOptions",
  "documentation": "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
  "simpleType": "NodeToNodeEncryptionOptions",
  "variableSetterType": "NodeToNodeEncryptionOptions"
}
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the \{@link OptionStatus.Builder\} avoiding the need to create one manually via \{@link OptionStatus#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link OptionStatus.Builder#build()\} is called immediately and its result is passed to \{@link @status(OptionStatus)\}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>\n@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #status(OptionStatus)",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>",
"getterModel" : {
  "returnType" : "OptionStatus",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Status",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.&lt;/p&gt;&lt;param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain."",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "&lt;p&gt;Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.&lt;/p&gt;",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "NodeToNodeEncryptionOptions",
    "defaultConsumerFluentSetterDocumentation" : ":&lt;p&gt;Specifies the node-to-node encryption options for the specified Elasticsearch domain.&lt;/p&gt;&lt;This is a convenience that creates an instance of the { @link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link..."}}
When the `@link Consumer` completes, `@link NodeToNodeEncryptionOptions.Builder#build()` is called immediately and its result is passed to `@link NodeToNodeEncryptionOptions#options(NodeToNodeEncryptionOptions)`.

@param options a consumer that will call methods on `@link NodeToNodeEncryptionOptions.Builder`.

@return Returns a reference to this object so that method calls can be chained together.

@see #options(NodeToNodeEncryptionOptions)
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch
domain.
</p>@param options Specifies the node-to-node encryption options for the specified Elasticsearch
domain.
",
"setterMethodName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : null,
  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "NodeToNodeEncryptionOptions",
  "variableName" : "options",
  "variableType" : "NodeToNodeEncryptionOptions",
  "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch
domain.</p>
", "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption
options for the specified Elasticsearch domain.
</p>@This is a convenience that creates an instance of the {@link
OptionStatus.Builder} avoiding the need to create one manually via [{@link OptionStatus#builder()}].
When the
{@link OptionStatus.Builder#build()} is called immediately and its result is passed
to [{@link OptionStatus#status(OptionStatus)}].
@returns a consumer that will call methods on [{@link
OptionStatus.Builder}].
@see #status(OptionStatus)
",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified
Elasticsearch domain.</p>
",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "NodeToNodeEncryptionOptions",
    "variableName" : "options",
    "variableType" : "NodeToNodeEncryptionOptions",
    "documentation" : null,
    "simpleType" : "NodeToNodeEncryptionOptions",
    "variableSetterType" : "NodeToNodeEncryptionOptions"
  }
}
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : ":<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : ":<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>@return Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.",
"getterModel" : {
 "returnType" : "OptionStatus",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "Status",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "Status",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"_sensitive" : false,
"setterDocumentation" : ":<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
 "variableDeclarationType" : "OptionStatus",
 "variableName" : "status",
 "variableType" : "OptionStatus",}
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>",
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "NodeToNodeEncryptionOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link NodeToNodeEncryptionOptions.Builder} avoiding the need to create one manually via { @link NodeToNodeEncryptionOptions#builder()}. When the { @link Consumer} completes, { @link NodeToNodeEncryptionOptions.Builder#build()} is called immediately and its result is passed to { @link #options(NodeToNodeEncryptionOptions)}.<br>@param options a consumer that will call methods on { @link NodeToNodeEncryptionOptions.Builder}|\n@return Returns a reference to this object so that method calls can be chained together.|\n@see #options(NodeToNodeEncryptionOptions)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "options",
    "fluentSetterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.|\n@return Returns a reference to this object so that method calls can be chained together.|\n@see #options(NodeToNodeEncryptionOptions)",
    "getterModel" : {

"returnType" : "NodeToNodeEncryptionOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"setterDocumentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch domain.

@param options Specifies the node-to-node encryption options for the specified Elasticsearch domain.
</p>

"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "options",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : null,
"simpleType" : "NodeToNodeEncryptionOptions",
"variableSetterType" : "NodeToNodeEncryptionOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "NodeToNodeEncryptionOptions",
"variableName" : "options",
"variableType" : "NodeToNodeEncryptionOptions",
"documentation" : "<p>Specifies the node-to-node encryption options for the specified Elasticsearch
domain.

  "simpleType" : "NodeToNodeEncryptionOptions",
  "variableSetterType" : "NodeToNodeEncryptionOptions"
},
"xmlNameSpaceUri" : null
},

  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}. When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

When the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.

  @return Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

  @param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.

  @return Returns a reference to this object so that method calls can be chained together.

  "fluentSetterMethodName" : "status",
  "getterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>

  @return Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.

  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"setterDocumentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.
", "setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p>Specifies the status of the node-to-node encryption options for the specified Elasticsearch domain.</p>
", "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "NodeToNodeEncryptionOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : {

"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "NodeToNodeEncryptionOptionsStatus",
"variableName": "nodeToNodeEncryptionOptionsStatus",
"variableType": "NodeToNodeEncryptionOptionsStatus",
"documentation": null,
"simpleType": "NodeToNodeEncryptionOptionsStatus",
"variableSetterType": "NodeToNodeEncryptionOptionsStatus"
},
"wrapper": false
},
"OptionState": {
"c2jName": "OptionState",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "The state of a requested change. One of the following:
<ul>
<li>Processing: The request change is still in-process.</li>
<li>Active: The request change is processed and deployed to the Elasticsearch domain.</li>
</ul>
"endpointDiscovery": null,
"enums": [ { "name": "REQUIRES_INDEX_DOCUMENTS", "value": "RequiresIndexDocuments" }, { "name": "PROCESSING", "value": "Processing" }, { "name": "ACTIVE", "value": "Active" } ],
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"marshaller": null,
"members": [ ],
"membersAsMap" : {   },
"nonStreamingMembers" : [   ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "OptionState",
"simpleMethod" : false,
"unmarshaller" : {   
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {   
  "variableDeclarationType" : "OptionState",
  "variableName" : "optionState",
  "variableType" : "OptionState",
  "documentation" : null,
  "simpleType" : "OptionState",
  "variableSetterType" : "OptionState"
},
"wrapper" : false
},
"OptionStatus" : {   
  "c2jName" : "OptionStatus",
  "customization" : {   
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Provides the current status of the entity.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "marshaller" : null,
  "members" : [   
    "beanStyleGetterMethodName" : "getCreationDate",
    "beanStyleSetterMethodName" : "setCreationDate",
    "c2jName" : "CreationDate",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the
entity.</p>
This is a convenience that creates an instance of the { @link Instant.Builder } avoiding the need to
create one manually via { @link Instant.Builder#builder()}.
When the { @link Consumer } completes, { @link
Instant.Builder#build() } is called immediately and its result is passed to { @link #creationDate(Instant) }.
@param creationDate a consumer that will call methods on { @link Instant.Builder }.
@return Returns a reference to this object so that method calls can be chained together.

@see #creationDate(Instant)"
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "creationDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together.

@see #creationDate(Instant)",
"fluentSetterMethodName" : "creationDate",
"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@return Timestamp which tells the creation date for the entity.

@see #getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CreationDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CreationDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "CreationDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.",
"setterMethodName" : "setCreationDate",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "creationDate",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "creationDate",
"variableType" : "java.time.Instant",
"documentation" : "<p>Timestamp which tells the creation date for the entity.</p>
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getUpdateDate",
"beanStyleSetterMethodName" : "setUpdateDate",
"c2jName" : "UpdateDate",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for
the entity.</p>

This is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to
create one manually via { @link Instant#builder()}. 

When the { @link Consumer} completes, { @link
Instant.Builder#build()} is called immediately and its result is passed to
{ @link #updateDate(Instant)}.

@param updateDate a consumer that will call methods on
{ @link Instant.Builder} returns a reference to this
object so that method calls can be chained together.
@see #updateDate(Instant)
,"deprecated" : false,
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity.
@returns Returns a reference to this object
so that method calls can be chained together.

```
"fluentSetterMethodName" : "updateDate",
"getterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@return Timestamp which tells the last updated time for the entity.

"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateDate",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "UpdateDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity.

"setterMethod_Name" : "setUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "updateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "java.time.Instant",
"variableName" : "updateDate",
"variableType" : "java.time.Instant",
"documentation" : "<p>Timestamp which tells the last updated time for the entity.</p>",
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUpdateVersion",
"beanStyleSetterMethodName" : "setUpdateVersion",
"c2jName" : "UpdateVersion",
"c2jShape" : "UIntValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>
This is a convenience that creates an instance of the { @link Integer.Builder } avoiding the need to create one manually via { @link Integer.Builder#builder() }. When the { @link Consumer } completes, { @link Integer.Builder#build() } is called immediately and its result is passed to { @link #updateVersion(Integer) }.

When the { @link Consumer } completes, { @link Integer.Builder#build() } is called immediately and its result is passed to { @link #updateVersion(Integer) }.

@see #updateVersion(Integer)",
"deprecated" : false,
"documentation" : "<p>Specifies the latest version for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateVersion",
"fluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@param updateVersion
Specifies the latest version for the entity.
@return Returns a reference to this object so that method calls can be chained together.

@see #updateVersion(Integer)",
"fluentSetterMethodName" : "updateVersion",
"getterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@return Specifies the latest version for the entity.

@see #updateVersion(Integer)",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
}
{"marshallLocationName": "UpdateVersion",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UpdateVersion",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "UpdateVersion",
"sensitive": false,
"setterDocumentation": "<p>Specifies the latest version for the entity.</p>
@param updateVersion Specifies the latest version for the entity.",
"setterMethodName": "setUpdateVersion",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "updateVersion",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "updateVersion",
  "variableType": "Integer",
  "documentation": "<p>Specifies the latest version for the entity.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getStateAsString",
"beanStyleSetterMethodName": "setState",
"c2jName": "State",
"c2jShape": "OptionState",
"defaultConsumerFluentSetterDocumentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link stateAsString(String)}.@param state a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so
that method calls can be chained together.\n@see #state(String)
  "deprecated" : false,
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.\n</p>",
  "endpointDiscoveryId" : false,
  "enumType" : "OptionState",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "state",
  "fluentEnumSetterMethodName" : "state",
  "fluentGetterMethodName" : "stateAsString",
  "fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.\n</p>\n@see OptionState\n  @return Returns a reference to this object so that method calls can be chained together.\n@see OptionState",
  "fluentSetterMethodName" : "state",
  "getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.\n  If the service returns an enum value that is not available in the current SDK version, {@link #state} will return {@link OptionState#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #stateAsString}.\n  @return Provides the <code>OptionState</code> for the Elasticsearch domain.\n@see OptionState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "State",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING"
"name": "State",
"sensitive": false,
"setterDocumentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
@param state Provides the <code>OptionState</code> for the Elasticsearch domain.
@see OptionState",
"setterMethodName": "setState",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getPendingDeletion",
  "beanStyleSetterMethodName": "setPendingDeletion",
  "c2jName": "PendingDeletion",
  "c2jShape": "Boolean",
  "defaultValueFluentSetterDocumentation": "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to the method.
@see #pendingDeletion(Boolean)",
  "deprecated": false,
  "documentation": "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "pendingDeletion",
  "fluentSetterDocumentation": "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.
@see pendingDeletion(Bean)",
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "state",
    "variableType": "String",
    "documentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
    "simpleType": "String",
    "variableSetterType": "String"
  }
}
object so that method calls can be chained together.

"setterMethodName" : "setPendingDeletion",
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>

@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.

"setterMethodParameters" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PendingDeletion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PendingDeletion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PendingDeletion",
"sensitive" : false,
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>"
"variableDeclarationType" : "Boolean",
"variableName" : "pendingDeletion",
"variableType" : "Boolean",
"documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
"simpleType" : "Boolean",
"variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"CreationDate" : {
"beanStyleGetterMethodName" : "getCreationDate",
"beanStyleSetterMethodName" : "setCreationDate",
"c2jName" : "CreationDate",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
This is a convenience that creates an instance of the {@link Instant.Builder} avoiding the need to create one manually via {@link Instant.Builder#builder()}. When the {@link Consumer} completes, {@link Instant.Builder#build()} is called immediately and its result is passed to {@link #creationDate(Instant)}.\n\n@param creationDate a consumer that will call methods on {@link Instant.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #creationDate(Instant)",
"deprecated" : false,
"documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "creationDate",
"fluentSetterMethodName" : "creationDate",
"fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
\n\n@param creationDate\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #creationDate(Instant)",
"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CreationDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CreationDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "CreationDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.

"setterMethodName" : "setCreationDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "creationDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "creationDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp which tells the creation date for the entity.</p>
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"PendingDeletion" : {
  "beanStyleGetterMethodName" : "getPendingDeletion",
  "beanStyleSetterMethodName" : "setPendingDeletion",
  "c2jName" : "PendingDeletion",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
  This is a convenience that creates an instance of the [link Boolean.Builder] avoiding the need to
create one manually via `{@link Boolean.Builder}()`. When the `{@link Consumer} completes, `{@link Boolean.Builder#build()} is called immediately and its result is passed to `{@link #pendingDeletion(Boolean)}`. `{@param pendingDeletion} a consumer that will call methods on `{@link Boolean.Builder}`. `{@return} Returns a reference to this object so that method calls can be chained together.`,

```java
    "deprecated" : false,
    "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "pendingDeletion",
    "fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
    <p>pendingDeletion</p>
    "getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
    "getterModel" : {
        "returnType" : "Boolean",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "PendingDeletion",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "PendingDeletion",
        "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "BOOLEAN",
```
"name" : "PendingDeletion",
"sensitive" : false,
"setterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.",
"setterMethodName" : "setPendingDeletion",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "pendingDeletion",
  "variableType" : "Boolean",
  "documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
"simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"State" : {
  "beanStyleGetterMethodName" : "getStateAsString",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "OptionState",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #stateAsString(String)}.
@param state a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #state(String)",
  "deprecated" : false,
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : "OptionState",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "state",
  "fluentEnumSetterMethodName" : "state",
  "fluentGetterMethodName" : "stateAsString",
  "fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
\n@param state Provides the <code>OptionState</code> for the Elasticsearch domain.
\n@see OptionState\n@return Returns a reference to this object so that method calls can be chained together.
@see OptionState"
OptionState",
  "fluentSetterMethodName" : "state",
  "getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain. If the service returns an enum value that is not available in the current SDK version, [@link #state] will return [@link OptionState#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #stateAsString].

@return Provides the <code>OptionState</code> for the Elasticsearch domain.\n@see OptionState",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "State",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "State",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "STRING",
  "name" : "State",
  "sensitive" : false,
  "setterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.\n@param state Provides the <code>OptionState</code> for the Elasticsearch domain.\n@see OptionState",
  "setterMethodName" : "setState",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "state",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "state",
  "variableType": "String",
  "documentation": "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UpdateDate": {
  "beanStyleGetterMethodName": "getUpdateDate",
  "beanStyleSetterMethodName": "setUpdateDate",
  "c2jName": "UpdateDate",
  "c2jShape": "UpdateTimestamp",
  "defaultConsumerFluentSetterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>\n\nThis is a convenience that creates an instance of the {link Instant.Builder} avoiding the need to create one manually via {link Instant.Builder#builder()}.\n\nWhen the {link Consumer} completes, {link Instant.Builder#build()} is called immediately and its result is passed to {link #updateDate(Instant)}.\n\n@param updateDate a consumer that will call methods on {link Instant.Builder}\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see #updateDate(Instant)"
},
"deprecated": false,
"documentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "updateDate",
"fluentSetterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "updateDate",
"getterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>
@returns Returns a reference to this object so that method calls can be chained together.",
"getterModel": {
  "returnType": "java.time.Instant",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "UpdateDate",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UpdateDate",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "UpdateDate",
"敏感": false,
"setterDocumentation": "<p>Timestamp which tells the last updated time for the entity.</p>
@param
updateDate Timestamp which tells the last updated time for the entity.",
"setterMethodName": "setUpdateDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "updateDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "updateDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp which tells the last updated time for the entity.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null,
},
"UpdateVersion": {
  "beanStyleGetterMethodName": "getUpdateVersion",
  "beanStyleSetterMethodName": "setUpdateVersion",
  "c2jName": "UpdateVersion"
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()]. When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #updateVersion(Integer)].
@param updateVersion a consumer that will call methods on [@link Integer.Builder]
@see #updateVersion
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "updateVersion",
"getterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@return Specifies the latest version for the entity.
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "UpdateVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@param updateVersion Specifies the latest version for the entity.",
"setterMethodName" : "setUpdateVersion",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "updateVersion",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "updateVersion",
    "variableType" : "Integer",
    "documentation" : "<p>Specifies the latest version for the entity.</p>
@param updateVersion Specifies the latest version for the entity.",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
    "beanStyleGetterMethodName" : "getCreationDate",
    "beanStyleSetterMethodName" : "setCreationDate",
    "c2jName" : "CreationDate",
    "c2jShape" : "UpdateTimestamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
This is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant#builder()}.

When the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #creationDate(Instant)}.

@return Returns a reference to this object so that method calls can be chained together.
@see #creationDate(Instant)",
    "deprecated" : false,
    "documentation" : "<p>Timestamp which tells the creation date for the entity.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "creationDate",
    "fluentSetterMethodName" : null
}]
}
"fluentSetterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "creationDate",
"getterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@return Timestamp which tells the creation date for the entity."
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CreationDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CreationDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "CreationDate",
"complexType" : "null",
"setterDocumentation" : "<p>Timestamp which tells the creation date for the entity.</p>
@param creationDate Timestamp which tells the creation date for the entity.
@return Returns a reference to this object so that method calls can be chained together."
"setterMethodName" : "setCreationDate",
"setterModel" : {
"variableDeclarationType" : "java.time.Instant",
"variableName" : "creationDate",
"variableType" : "java.time.Instant",
"documentation" : null,
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"simple" : true,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateDate",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateDate",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "UpdateDate",
"sensitive" : false,
"setterDocumentation" : "<p>Timestamp which tells the last updated time for the entity.</p>
@param updateDate Timestamp which tells the last updated time for the entity."
,"setterMethodName" : "setUpdateDate",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "updateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "updateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp which tells the last updated time for the entity. </p>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUpdateVersion",
"beanStyleSetterMethodName" : "setUpdateVersion",
"c2jName" : "UpdateVersion",
"c2jShape" : "UIntValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the latest version for the entity. </p>"

This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()]. When the [@link Integer.Consumer] completes, [@link Integer.Builder#build()] is called
immediately and its result is passed to { @link #updateVersion(Integer) }.\n@throws IllegalArgumentException if \nthe provided version is negative.

\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #updateVersion(Integer)\n\n"deprecated" : false,
"documentation" : "<p>Specifies the latest version for the entity.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateVersion",
"fluentSetterDocumentation" : "<p>Specifies the latest version for the entity.</p>
\n@param updateVersion a consumer that\nwill call methods on { @link Integer.Builder }\n\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #updateVersion(Integer)\n\nSpecifies the latest version for the entity.\n\n@return Specifies the latest version for the entity.\n\n\ngetterModel" : {\n  "returnType" : "Integer",
  "documentation" : null\n},
"http" : {\n  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateVersion",
  "uri" : false\n},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "UpdateVersion",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the latest version for the entity.</p>
@param updateVersion Specifies the latest version for the entity.",
"setterMethodName" : "setUpdateVersion",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "updateVersion",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the latest version for the entity.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getStateAsString",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "OptionState",
  "defaultConsumerFluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding
the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link #stateAsString(String)}.

@see #state
@see OptionState
  "deprecated" : false,
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : "OptionState",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "state",
  "fluentEnumSetterMethodName" : "state",
  "fluentGetterMethodName" : "stateAsString",
  "fluentSetterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch
domain.</p>
@see #state
@see OptionState
  "fluentSetterMethodName" : "state",
  "getterDocumentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch
If the service returns an enum value that is not available in the current SDK version, [@link #state] will return [@link OptionState#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #stateAsString].

@return Provides the <code>OptionState</code> for the Elasticsearch domain.

@see OptionState
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>Provides the <code>OptionState</code> for the Elasticsearch domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getPendingDeletion",
"beanStyleSetterMethodName" : "setPendingDeletion",
"c2jName" : "PendingDeletion",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
This is a convenience that creates an instance of the { @link Boolean.Builder } avoiding the need to
create one manually via { @link Boolean#builder() }.
When the { @link Consumer } completes, { @link Boolean.Builder#build() } is called immediately and its result is passed to { @link
#pendingDeletion(Boolean) }.
@see
@return Returns a reference to this object so that method calls can be chained together.
@see #pendingDeletion(Boolean)",
"deprecated" : false,
"documentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "pendingDeletion",
"fluentSetterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
Indicates whether the Elasticsearch domain is being deleted.
@see #pendingDeletion(Boolean)",
"getterDocumentation" : "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
Indicates whether the Elasticsearch domain is being deleted.
@see #pendingDeletion(Boolean)",
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "PendingDeletion",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PendingDeletion",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "PendingDeletion",
"setterDocumentation": "<p>Indicates whether the Elasticsearch domain is being deleted.</p>
@param pendingDeletion Indicates whether the Elasticsearch domain is being deleted.",
"setterMethodName": "setPendingDeletion",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "pendingDeletion",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "pendingDeletion",
  "variableType": "Boolean",
  "documentation": "<p>Indicates whether the Elasticsearch domain is being deleted.</p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
}]
,"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "CreationDate", "UpdateDate", "State" ],
"shapeName": "OptionStatus",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper" : null,
],
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "optionStatus",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"wrapper" : false
},
"PurchaseReservedElasticsearchInstanceOfferingRequest" : {
  "c2jName" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "Container for parameters to
 <code>PurchaseReservedElasticsearchInstanceOffering</code><p/>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : {
    "action" : "PurchaseReservedElasticsearchInstanceOffering",
    "locationName" : null,
    "requestUri" : "/2015-01-01/es/purchaseReservedInstanceOffering",
    "target" : null,
    "verb" : "POST",
    "xmlnsSpaceUri" : null
  },
  "members" : [
    "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
    "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
    "c2jName" : "ReservedElasticsearchInstanceOfferingId",
    "c2jShape" : "GUID"
"defaultConsumerFluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to
create one manually via [String.Builder()]. When the [@link Consumer] completes, [reservedElasticsearchInstanceOfferingId(String)].
@throws IllegalArgumentException a consumer that will call methods on [String.Builder] return Returns a reference to this object so that method calls
can be chained together. @see reservedElasticsearchInstanceOfferingId(String)",
"deprecated" : false,
"documentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
"getterDocumentation" : "The ID of the reserved Elasticsearch instance offering to purchase.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>
@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.,
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "reservedElasticsearchInstanceOfferingId",
    "variableType" : "String",
    "documentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
,

"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p><a href="#reservationName(String)">@param reservationName a consumer that will call methods on { @link String.Builder} \n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link reservationName(String)}. \n\n@see #reservationName(String)",
"deprecated" : false,
"documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p><a href="#param reservationName">"
reservationName A customer-specified identifier to track this reservation.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservationName",
"getterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@return A customer-specified identifier to track this reservation.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@param reservationName A customer-specified identifier to track this reservation.

"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getInstanceCount",
"beanStyleSetterMethodName" : "setInstanceCount",
"c2jName" : "InstanceCount",
"c2jShape" : "InstanceCount",
"defaultConsumerFluentSetterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
The number of Elasticsearch instances to reserve. This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link #instanceCount(Integer)}.<br/>param instanceCount a consumer that will call methods on {@link Integer.Builder} returns a reference to this object so that method calls can be chained together.<br/>see #instanceCount(Integer)",
"deprecated" : false,
"documentation" : "<p>The number of Elasticsearch instances to reserve.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount The number of Elasticsearch instances to reserve.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "instanceCount",
"getterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@return The number of Elasticsearch instances to reserve.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "InstanceCount",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "InstanceCount",
"uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "InstanceCount",
"sensitive": false,
"setterDocumentation": "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount
The number of Elasticsearch instances to reserve.",
"setterMethodName": "setInstanceCount",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "instanceCount",
  "variableType": "Integer",
  "documentation": "<p>The number of Elasticsearch instances to reserve.</p>",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},
"membersAsMap": {
  "InstanceCount": {
    "beanStyleGetterMethodName": "getInstanceCount",
    "beanStyleSetterMethodName": "setInstanceCount",
    "c2jName": "InstanceCount",
    "c2jShape": "InstanceCount",
    "defaultConsumerFluentSetterDocumentation": "<p>The number of Elasticsearch instances to reserve.</p>",
  }
}
This is a convenience that creates an instance of the `Integer.Builder` avoiding the need to create one manually via `Integer.builder()`. When the `Consumer` completes, `instanceCount(Integer.Builder)#build()` is called immediately and its result is passed to `instanceCount(Integer)`. @param instanceCount a consumer that will call methods on `Integer.Builder`.

@returns Returns a reference to this object so that method calls can be chained together.

@see #instanceCount(Integer)

"deprecated" : false,
"documentation" : "The number of Elasticsearch instances to reserve.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "The number of Elasticsearch instances to reserve.

@returns The number of Elasticsearch instances to reserve.

@see #getters

"getterDocumentation" : "The number of Elasticsearch instances to reserve.

@returns The number of Elasticsearch instances to reserve.

"getterModel" : {"returnType" : "Integer",
"documentation" : null}

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>
@param instanceCount
The number of Elasticsearch instances to reserve.",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Elasticsearch instances to reserve.</p>
  @param instanceCount
  The number of Elasticsearch instances to reserve.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,
"ReservationName" : {
  "beanStyleGetterMethodName" : "getReservationName",
  "beanStyleSetterMethodName" : "setReservationName",
  "c2jName" : "ReservationName",
  "c2jShape" : "ReservationToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link reservationName(String)}. { @param reservationName a consumer that will call methods on { @link String.Builder}}
  @return Returns a reference to this object so that method calls can be chained together. @see reservationName(String)",
  "deprecated" : false,
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "ReservationName",
  "fluentSetterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>"}
reservationName A customer-specified identifier to track this reservation.

@n
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservationName",
"getterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@return A customer-specified identifier to track this reservation.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "<p>A customer-specified identifier to track this reservation.</p>
@param reservationName A customer-specified identifier to track this reservation.

"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferingId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.<p/>
This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String.Builder#builder()].
When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #reservedElasticsearchInstanceOfferingId(String)] a consumer that will call methods on [link String.Builder] return a reference to this object so that method calls can be chained together.<p>@see #reservedElasticsearchInstanceOfferingId(String)"
  "deprecated" : false,
  "documentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.<p/>
@see reservedElasticsearchInstanceOfferingId(String)"m
  "fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "getterDocumentation" : "<p>The ID of the reserved Elasticsearch instance offering to purchase.<p/>
@return Returns a reference to this object so that method calls can be chained together.
@see reservedElasticsearchInstanceOfferingId(String)"
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ReservedElasticsearchInstanceOfferingId",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservedElasticsearchInstanceOfferingId",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceOfferingId",
"sensitive": false,
"setterDocumentation": "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.",
"setterMethodName": "setReservedElasticsearchInstanceOfferingId",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceOfferingId",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceOfferingId",
"variableType": "String",
"documentation": "<p>The ID of the reserved Elasticsearch instance offering to purchase.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [
"beanStyleGetterMethodName": "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName": "setReservedElasticsearchInstanceOfferingId",
"c2jName": "ReservedElasticsearchInstanceOfferingId"
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;&lt;hr&gt;This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)}.
@see #reservedElasticsearchInstanceOfferingId(String)"

"deprecated" : false,
"documentation" : "&lt;p&gt;The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "&lt;p&gt;The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;&lt;hr&gt;The ID of the reserved Elasticsearch instance offering to purchase. The ID of the reserved Elasticsearch instance offering to purchase. The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;&lt;hr&gt;The ID of the reserved Elasticsearch instance offering to purchase.
@see #reservedElasticsearchInstanceOfferingId(String)"

"getterDocumentation" : "&lt;p&gt;The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;
@n@param reservedElasticsearchInstanceOfferingId The ID of the reserved Elasticsearch instance offering to purchase.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;The ID of the reserved Elasticsearch instance offering to purchase.&lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultValueFluentSetterDocumentation" : "&lt;p&gt;A customer-specified identifier to track this reservation.&lt;/p&gt;
\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)}.\n\n@see #reservationName(String)",
"deprecated" : false,
"documentation" : "&lt;p&gt;A customer-specified identifier to track this reservation.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>\n@param reservationName A customer-specified identifier to track this reservation.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "reservationName",
"getterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>\n@return A customer-specified identifier to track this reservation.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ReservationName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ReservationName",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservationName",
" sensitive": false,
"setterDocumentation": "<p>A customer-specified identifier to track this reservation.</p>\n@param reservationName A customer-specified identifier to track this reservation.",
"setterMethodName": "setReservationName",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "reservationName",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>A customer-specified identifier to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getInstanceCount",
"beanStyleSetterMethodName" : "setInstanceCount",
"c2jName" : "InstanceCount",
"c2jShape" : "InstanceCount",
"defaultConsumerFluentSetterDocumentation" : "<p>The number of Elasticsearch instances to
reserve.

This is a convenience that creates an instance of the [link Integer.Builder] avoiding the need to
create one manually via [link Integer#builder()].

When the [link Integer.Builder#build()] is called immediately and its result is passed to [link #instanceCount(Integer)].

@param instanceCount a consumer that will call methods on [link Integer.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #instanceCount(Integer)",
"deprecated" : false,
"documentation" : "<p>The number of Elasticsearch instances to reserve.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "instanceCount",
"fluentSetterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>

@param instanceCount The number of Elasticsearch instances to reserve.
@return Returns a reference to this object so that method calls can be chained together.

@link #instanceCount(Integer)",
"getterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>

@return The number of Elasticsearch instances to reserve.
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "InstanceCount",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "InstanceCount",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "InstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of Elasticsearch instances to reserve.</p>\n@param instanceCount The number of Elasticsearch instances to reserve.",
"setterMethodName" : "setInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "instanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Elasticsearch instances to reserve.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ReservedElasticsearchInstanceOfferingId", "ReservationName" ],
"shapeName" : "PurchaseReservedElasticsearchInstanceOfferingRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable": {
  "variableDeclarationType": "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "variableName": "purchaseReservedElasticsearchInstanceOfferingRequest",
  "variableType": "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "documentation": null,
  "simpleType": "PurchaseReservedElasticsearchInstanceOfferingRequest",
  "variableSetterType": "PurchaseReservedElasticsearchInstanceOfferingRequest"
},
"wrapper": false
},
"PurchaseReservedElasticsearchInstanceOfferingResponse": {
  "c2jName": "PurchaseReservedElasticsearchInstanceOfferingResponse",
  "customization": {
    "artifactResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "Represents the output of a <code>PurchaseReservedElasticsearchInstanceOffering</code> operation."",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    "beanStyleGetterMethodName": "getReservedElasticsearchInstanceId",
    "beanStyleSetterMethodName": "setReservedElasticsearchInstanceId",
    "c2jName": "ReservedElasticsearchInstanceId",
    "c2jShape": "GUID",
    "defaultConsumerFluentSetterDocumentation": "Details of the reserved Elasticsearch instance which was purchased.
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }.\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservedElasticsearchInstanceId(String) }.\n@returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstanceId(String)"
  ],
  "deprecated": false,
  "documentation": "Details of the reserved Elasticsearch instance which was purchased.""
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@return Details of the reserved Elasticsearch instance which was purchased.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>
@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "returnType" : "String",
  "documentation" : null
}}
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
],
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)}.

@see #reservationName(String)"
,  "deprecated" : false,
"documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>

@see #reservationName(String)"
,  "getterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>";
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
}
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "The customer-specified identifier used to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "The customer-specified identifier used to track this reservation.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
]
,"membersAsMap" : {
"ReservationName" : {
"beanStyleGetterMethodName" : "getReservationName",
"beanStyleSetterMethodName" : "setReservationName",
"c2jName" : "ReservationName",
"c2jShape" : "ReservationToken",
"defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}().
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link
#reservationName(String)}.\n@param reservationName a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
"deprecated" : false,
"documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
"endpointDiscoveryId" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
@param reservationName The customer-specified identifier used to track this reservation.
@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "reservationName",
"getterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
@getMethod
The customer-specified identifier used to track this reservation."
,"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservationName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uriPart" : "ReservationName",
"uriName" : "ReservationName",
"uriValue" : "ReservationName"
}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "The customer-specified identifier used to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "The customer-specified identifier used to track this reservation.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceId" : {
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
  "c2jName" : "ReservedElasticsearchInstanceId",
  "c2jShape" : "GUID",
  "defaultValueFluentSetterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.
This is a convenience that creates an instance of the \{ @link String.Builder\} avoiding the need to create one manually via \{ @link String#builder()\}. When the \{ @link Consumer\} completes, \{ @link String.Builder#build()\} is called immediately and its result is passed to \{ @link #reservedElasticsearchInstanceId(String)\}. a consumer that will call methods on \{ @link String.Builder\}\{ @link return\} Returns a reference to this object so that method calls can be chained together.
\@see #reservedElasticsearchInstanceId(String)",
  "deprecated" : false,
"documentation" : "Details of the reserved Elasticsearch instance which was purchased.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.
\n@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.
\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.
\n@return Details of the reserved Elasticsearch instance which was purchased.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "Details of the reserved Elasticsearch instance which was purchased.
\n@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.
\n@return Details of the reserved Elasticsearch instance which was purchased.",
"setterMethodName" : "setReservedElasticsearchInstanceId"
"setterModel": {
"variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceId",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "reservedElasticsearchInstanceId",
"variableType": "String",
"documentation": "Details of the reserved Elasticsearch instance which was purchased."
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"nonStreamingMembers": [ {
"beanStyleGetterMethodName": "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName": "setReservedElasticsearchInstanceId",
"c2jName": "ReservedElasticsearchInstanceId",
"c2jShape": "GUID",
"defaultConsumerFluentSetterDocumentation": "Details of the reserved Elasticsearch instance which was purchased."
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservedElasticsearchInstanceId",
"fluentSetterDocumentation": "Details of the reserved Elasticsearch instance which was purchased."
"deprecated": false,
"documentation": "Details of the reserved Elasticsearch instance which was purchased."
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservedElasticsearchInstanceId",
"fluentSetterDocumentation": "Details of the reserved Elasticsearch instance which was purchased."
"getterDocumentation": "Details of the reserved Elasticsearch instance which was purchased."}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>Details of the reserved Elasticsearch instance which was purchased.</p>@param reservedElasticsearchInstanceId Details of the reserved Elasticsearch instance which was purchased.",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceId",
  "variableType" : "String"}
"documentation": "Details of the reserved Elasticsearch instance which was purchased.",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getReservationName",
"beanStyleSetterMethodName": "setReservationName",
"c2jName": "ReservationName",
"c2jShape": "ReservationToken",
"defaultConsumerFluentSetterDocumentation": "The customer-specified identifier used to track this reservation. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #reservationName(String)}. @return Returns a reference to this object so that method calls can be chained together.
@param reservationName a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String)",
"deprecated": false,
"documentation": "The customer-specified identifier used to track this reservation.",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservationName",
"fluentSetterDocumentation": "The customer-specified identifier used to track this reservation.
@return The customer-specified identifier used to track this reservation.
@see #reservationName(String)",
"getterDocumentation": "The customer-specified identifier used to track this reservation.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ReservationName",
"queryString": false,
"statusCode" : false,
"unmarshallLocationName" : "ReservationName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"sensitive" : false,
"setterDocumentation" : "<p>The customer-specified identifier used to track this reservation.</p>
@param reservationName The customer-specified identifier used to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier used to track this reservation.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "PurchaseReservedElasticsearchInstanceOfferingResponse",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "PurchaseReservedElasticsearchInstanceOfferingResponse",}
"variableName": "purchaseReservedElasticsearchInstanceOfferingResponse",
"variableType": "PurchaseReservedElasticsearchInstanceOfferingResponse",
"documentation": null,
"simpleType": "PurchaseReservedElasticsearchInstanceOfferingResponse",
"variableSetterType": "PurchaseReservedElasticsearchInstanceOfferingResponse",
"wrapper": false,
"RecurringCharge": {
  "c2jName": "RecurringCharge",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Contains the specific price and frequency of a recurring charges for a reserved Elasticsearch instance, or for a reserved Elasticsearch instance offering.</p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
  "hasStreamingMember": false,
  "httpStatusCode": null,
  "marshaller": null,
  "members": [
    
    "beanStyleGetterMethodName": "getRecurringChargeAmount",
    "beanStyleSetterMethodName": "setRecurringChargeAmount",
    "c2jName": "RecurringChargeAmount",
    "c2jShape": "Double",
    "defaultConsumerFluentSetterDocumentation": "<p>The monetary amount of the recurring charge.</p>",
    "deprecated": false,
    "documentation": "<p>The monetary amount of the recurring charge.</p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringChargeAmount",
"fluentSetterDocumentation": "<p>The monetary amount of the recurring charge.</p>@param recurringChargeAmount The monetary amount of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "recurringChargeAmount",
"getterDocumentation": "<p>The monetary amount of the recurring charge.</p>@return The monetary amount of the recurring charge.",
"getterModel": {
   "returnType": "Double",
   "documentation": null
},
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "RecurringChargeAmount",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "RecurringChargeAmount",
   "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "RecurringChargeAmount",
"sensitive": false,
"setterDocumentation": "<p>The monetary amount of the recurring charge.</p>@param recurringChargeAmount The monetary amount of the recurring charge.",
"setterMethodName": "setRecurringChargeAmount",
"setterModel": {
   "variableDeclarationType": "Double",
   "variableName": "recurringChargeAmount",
   "variableType": "Double",
   "documentation": null,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "RecurringChargeFrequency",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "RecurringChargeFrequency",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "RecurringChargeFrequency",
"sensitive": false,
"setterDocumentation": "<p>The frequency of the recurring charge.</p>
@param recurringChargeFrequency
The frequency of the recurring charge.",
"setterMethodName": "setRecurringChargeFrequency",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "recurringChargeFrequency",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "recurringChargeFrequency",
  "variableType": "String",
  "documentation": "<p>The frequency of the recurring charge.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
  "RecurringChargeAmount": {
    "beanStyleGetterMethodName": "getRecurringChargeAmount",
    "getterMethodName": "getRecurringChargeAmount",
    "getterModel": {
      "variableDeclarationType": "String",
      "variableName": "recurringChargeAmount",
      "variableType": "String",
      "documentation": null,
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "simple": true,
    "timestampFormat": null,
    "variable": {
      "variableDeclarationType": "String",
      "variableName": "recurringChargeAmount",
      "variableType": "String",
      "documentation": "<p>The recurring charge amount.</p>",
      "simpleType": "String",
      "variableSetterType": "String"
    },
    "xmlNameSpaceUri": null
  }
}
"beanStyleSetterMethodName" : "setRecurringChargeAmount",
"c2jName" : "RecurringChargeAmount",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double.Builder#builder()}. 
When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #recurringChargeAmount(Double)}. 
@param recurringChargeAmount a consumer that will call methods on { @link Double.Builder}
@returns Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p>The monetary amount of the recurring charge.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeAmount",
"fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
@param recurringChargeAmount The monetary amount of the recurring charge.
@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "recurringChargeAmount",
"getterDocumentation" : "<p>The monetary amount of the recurring charge.</p>
@return The monetary amount of the recurring charge."
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringChargeAmount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringChargeAmount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"setterDocumentation" : "<p>The monetary amount of the recurring charge.</p>\n@para
recurringChargeAmount The monetary amount of the recurring charge.",
"setterMethodName" : "setRecurringChargeAmount",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : "<p>The monetary amount of the recurring charge.</p>\n  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "recurringChargeAmount",
  "variableType" : "Double",
  "documentation" : "<p>The monetary amount of the recurring charge.</p>\n  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"RecurringChargeFrequency" : {
  "beanStyleGetterMethodName" : "getRecurringChargeFrequency",
  "beanStyleSetterMethodName" : "setRecurringChargeFrequency",
  "c2jName" : "RecurringChargeFrequency",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The frequency of the recurring charge.</p>\n  \n  "This is a convenience that creates an instance of the \n  @link String.Builder\n  avoiding the need to create one manually via \n  \n  \n  When the \n  @link Consumer\n  completes, \n  the \n  @link String.Builder#build()\n  is called immediately and its result is passed to \n  \n  recurringChargeFrequency a consumer that will call methods on \n  @link String.Builder\n  \n  \n  \n  \n  Returns a reference to this object so that method calls can be chained together.\n  see recurringChargeFrequency(String)\n  "",
  "deprecated" : false,
  "documentation" : "<p>The frequency of the recurring charge.</p>\n  "\n  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeFrequency",
"fluentSetterDocumentation" : "<p>The frequency of the recurring charge.</p>
@param recurringChargeFrequency The frequency of the recurring charge.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "recurringChargeFrequency",
"getterDocumentation" : "<p>The frequency of the recurring charge.</p>
@return The frequency of the recurring charge.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "RecurringChargeFrequency",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RecurringChargeFrequency",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RecurringChargeFrequency",
"sensitive" : false,
"setterDocumentation" : "<p>The frequency of the recurring charge.</p>
@param recurringChargeFrequency The frequency of the recurring charge.",
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "recurringChargeFrequency",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : "<p>The frequency of the recurring charge.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getRecurringChargeAmount",
  "beanStyleSetterMethodName" : "setRecurringChargeAmount",
  "c2jName" : "RecurringChargeAmount",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>",
  "deprecated" : false,
  "documentation" : "<p>The monetary amount of the recurring charge.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringChargeAmount",
  "fluentSetterDocumentation" : "<p>The monetary amount of the recurring charge.</p>",
  "fluentSetterMethodName" : "recurringChargeAmount",
  "getterDocumentation" : "<p>The monetary amount of the recurring charge.</p>",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
The monetary amount of the recurring charge.

```java
public void setRecurringChargeAmount(Double recurringChargeAmount) {
    this.recurringChargeAmount = recurringChargeAmount;
}
```

The monetary amount of the recurring charge.

```java
public Double getRecurringChargeFrequency() {
    return recurringChargeFrequency;
}
```

The monetary amount of the recurring charge.

```java
public void setRecurringChargeFrequency(String recurringChargeFrequency) {
    this.recurringChargeFrequency = recurringChargeFrequency;
}
```
"defaultConsumerFluentSetterDocumentation" : "\n<p>The frequency of the recurring charge.</p>\n\nThis is a convenience that creates an instance of the \[@link String.Builder\] avoiding the need to create one manually via \[@link String#builder()\]. When the \[@link Consumer\] completes, \[@link String.Builder#build()\] is called immediately and its result is passed to \[@link recurringChargeFrequency(String)\].\n\n@param recurringChargeFrequency a consumer that will call methods on \[@link String.Builder\]. \n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see recurringChargeFrequency(String)"

, "deprecated" : false,
"documentation" : "\n<p>The frequency of the recurring charge.</p>\n\n\n\n```
@endmark
@endmark
```

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringChargeFrequency",
"fluentSetterDocumentation" : "\n<p>The frequency of the recurring charge.</p>\n\n\n\n```
@endmark
@endmark
```

"fluentSetterMethodName" : "recurringChargeFrequency",
"getterDocumentation" : "\n<p>The frequency of the recurring charge.</p>\n\n\n\n```
@endmark
@endmark
```

"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringChargeFrequency",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringChargeFrequency",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "RecurringChargeFrequency",
"sensitive" : false,
"setterDocumentation" : "<p>The frequency of the recurring charge.</p>
@param recurringChargeFrequency
The frequency of the recurring charge.",
"setterMethodName" : "setRecurringChargeFrequency",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "recurringChargeFrequency",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "RecurringCharge",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "recurringCharge",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"wrapper" : false
},
"RemoveTagsRequest" : {
  "c2jName" : "RemoveTagsRequest",
  "customization" : {

"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
],
"deprecated": false,
"documentation": "<p>Container for the parameters to the <code><a>RemoveTags</a></code> operation. Specify the <code>ARN</code> for the Elasticsearch domain from which you want to remove the specified <code>TagKey</code>.</p>"},
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": {
  "action": "RemoveTags",
  "locationName": null,
  "requestUri": "/2015-01-01/tags-removal",
  "target": null,
  "verb": "POST",
  "xmlnsSpaceUri": null
},
"members": [{
  "beanStyleGetterMethodName": "getArn",
  "beanStyleSetterMethodName": "setArn",
  "c2jName": "ARN",
  "c2jShape": "ARN",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>

This is a convenience that creates an instance of the {<link String.Builder>} avoiding the need to create one manually via {<link String#builder()}>. When the {<link Consumer>} completes, {<link String.Builder#build()>} is called immediately and its result is passed to {<link param arn a consumer that will call methods on}<link String.Builder>\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #arn(String)",
  "deprecated": false,
  "documentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethod_Name" : "arn",
"fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethod_Name" : "arn",
"getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "ARN",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "ARN",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ARN",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.
"setterMethodName" : "setArn",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "arn",
   "variableType" : "String"}
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},

"beanStyleGetterMethodName" : "getTagKeys",
"beanStyleSetterMethodName" : "setTagKeys",
"c2jName" : "TagKeys",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.\n\nThis is a convenience that creates an instance of the \{@link List<String>\}.Builder\) avoiding the need to create one manually via \{@link List<String>\,#builder()\}\.\n\nWhen the \{@link Consumer\} completes, \{@link List<String>.Builder#build()\} is called immediately and its result is passed to \{@link #tagKeys(List<String>)\}\.\n@param tagKeys a consumer that will call methods on \{@link List<String>.Builder\}\.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #tagKeys(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "tagKeys",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n\n\n@return Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.",
"getterModel" : 

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"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagKeys",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].
@see #member(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object. Returns a reference to this object so that method calls can be chained together.
@see #member(String)"
}"}
}
calls can be chained together.

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.",
"setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
"membersAsMap" : {
  "ARN" : {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
    This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. Note When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #arn(String)}.<p>@return Returns a reference to this object so that method calls can be chained together.</p>@see #arn(String)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "arn",
    "fluentSetterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
    "@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.<p>@return Returns a reference to this object so that method calls can be chained together.</p>",
    "fluentSetterMethodName" : "arn",
    "getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
    "@return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.<p>@return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "ARN",
      "queryString" : false,
      "statusCode" : false,
      "statusCode" : false,
"unmarshallLocationName": "ARN",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ARN",
"sensitive": false,
"setterDocumentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.",
"setterMethodName": "setArn",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "arn",
  "variableType": "String",
  "documentation": "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"TagKeys": {
  "beanStyleGetterMethodName": "getTagKeys",
  "beanStyleSetterMethodName": "setTagKeys",
  "c2jName": "TagKeys",
  "c2jShape": "StringList",
  "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #tagKeys(List<String>)}.<p>@param tagKeys a consumer that will call methods on {"c2jName": "TagKeys", "c2jShape": "StringList", "defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain."},
List<String>.Builder\n\n@return Returns a reference to this object so that method calls can be chained
together.\n@see #tagKeys(List<String>)",
"deprecated" : false,
"documentation" : "\n<p>Specifies the <code>TagKey</code> list which you want to remove from the
Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "\n<p>Specifies the <code>TagKey</code> list which you want to remove from
the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to
remove from the Elasticsearch domain.\n@return Returns a reference to this object so that method calls can be
chained together.",
"fluentSetterMethodName" : "tagKeys",
"getterDocumentation" : "\n<p>
Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.\n</p>
@return Specifies the <code>TagKey</code> list which you want to
remove from the Elasticsearch domain.
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagKeys",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List"
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}.
  
  @param member a consumer that will call methods on { @link String.Builder}
  @return Returns a reference to this object so that method calls can be chained together.
  @see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
  
  @param member
  @return Returns a reference to this object so that method calls can be chained together.
  @see #member(String)",
  "fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
  
  @return The value of the Member property for this object.
  @see #member(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
}

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"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@\param member The new value for the Member property for this object."
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "TagKeys",
"sensitive": false,
"setterDocumentation": "<p>Specifies the <code>TagKey</code> list which you want to remove from the
Elasticsearch domain.</p>

@\param tagKeys Specifies the <code>TagKey</code> list which you want to remove
from the Elasticsearch domain.

"setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : "Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.

"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getArn",
    "beanStyleSetterMethodName" : "setArn",
    "c2jName" : "ARN",
    "c2jShape" : "ARN",
    "defaultConsumerFluentSetterDocumentation" : "Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."
  }
],
"deprecated" : false,
"documentation" : "Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "arn",
"fluentSetterDocumentation" : "Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.

"@param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."
calls can be chained together."
            "fluentSetterMethodName" : "arn",
            "getterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
            \n            @return Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."
            "getterModel" : {
            "returnType" : "String",
            "documentation" : null
            },
            "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "ARN",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "ARN",
            "uri" : false
            },
            "idempotencyToken" : false,
            "isBinary" : false,
            "jsonValue" : false,
            "list" : false,
            "listModel" : null,
            "map" : false,
            "mapModel" : null,
            "marshallingType" : "STRING",
            "name" : "ARN",
            "sensitive" : false,
            "setterDocumentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags.</p>
            \n            @param arn Specifies the <code>ARN</code> for the Elasticsearch domain from which you want to delete the specified tags."
            "setterMethodName" : "setArn",
            "setterModel" : {
            "variableDeclarationType" : "String",
            "variableName" : "arn",
            "variableType" : "String",
            "documentation" : null,
            "simpleType" : "String",
            "variableSetterType" : "String"
            },
            "simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "arn",
  "variableType" : "String",
  "documentation" : "<p>Specifies the <code>ARN</code> for the Elasticsearch domain from which you want
to delete the specified tags.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getTagKeys",
"beanStyleSetterMethodName" : "setTagKeys",
"c2jName" : "TagKeys",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want
to remove from the Elasticsearch domain.</p>

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.

When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed
to {@link List<String>#builder()}){@link param tagKeys a consumer that will call methods on {@link List<String>.Builder}.

@see #tagKeys(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

@see #tagKeys(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

@see #tagKeys(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "tagKeys",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.</p>
@param tagKeys Specifies the <code>TagKey</code> list which you want to remove from the Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

@see #tagKeys(List<String>)",
"deprecated" : false,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TagKeys",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TagKeys",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}. \n
@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(String)",
    "getterModel" : {
      "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@see #member(String)",
      "getterName" : "getMember",
      "getterType" : "String"
    }
  }
}
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
  "beanStyleGetterMethodName" : "getMember",
  "beanStyleSetterMethodName" : "setMember",
  "c2jName" : "member",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}. \n
@see #member(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(String)",
  "getterModel" : {
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@see #member(String)",
    "getterName" : "getMember",
    "getterType" : "String"
"returnType" : "String",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "TagKeys",
"sensitive" : false,
"setterDocumentation" : "\p&gt;Specifies the &lt;code&gt;TagKey&lt;/code&gt; list which you want to remove from the
Elasticsearch domain.&lt;/p&gt;\n@param tagKeys Specifies the &lt;code&gt;TagKey&lt;/code&gt; list which you want to remove
from the Elasticsearch domain.",
"setterMethodName" : "setTagKeys",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "tagKeys",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>
",
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "tagKeys",
    "variableType" : "java.util.List<String>",
    "documentation" : "\p&gt;Specifies the &lt;code&gt;TagKey&lt;/code&gt; list which you want to remove from the
Elasticsearch domain.&lt;/p&gt;",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>
",
    "xmlNameSpaceUri" : null
  }
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "ARN", "TagKeys" ],
"shapeName" : "RemoveTagsRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "RemoveTagsRequest",
  "variableName" : "removeTagsRequest",
  "variableType" : "RemoveTagsRequest",
  "documentation" : null,
  "simpleType" : "RemoveTagsRequest",
  "variableSetterType" : "RemoveTagsRequest"
},
"wrapper" : false
},
"RemoveTagsResponse" : {
  "c2jName" : "RemoveTagsResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : null,
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshallers" : null,
  "members" : [ ],
  "membersAsMap" : { },
  "nonStreamingMembers" : [ ],
  "requestSignerAware" : false,
  "requestSignerClassFqcn" : null,
  "required" : null,
  "shapeName" : "RemoveTagsResponse",
  "simpleMethod" : false,
  "unmarshallers" : {
    "flattened" : false,
    "resultWrapper" : null
  },
  "variable" : {
"variableDeclarationType": "RemoveTagsResponse",
"variableName": "removeTagsResponse",
"variableType": "RemoveTagsResponse",
"documentation": null,
"simpleType": "RemoveTagsResponse",
"variableSetterType": "RemoveTagsResponse"
],
"wrapper": false
},
"ReservedElasticsearchInstance": {
"c2jName": "ReservedElasticsearchInstance",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "<p>Details of a reserved Elasticsearch instance.</p>",
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"members": [
"beanStyleGetterMethodName": "getReservationName",
"beanStyleSetterMethodName": "setReservationName",
"c2jName": "ReservationName",
"c2jShape": "ReservationToken",
"defaultValueFluentSetterDocumentation": "<p>The customer-specified identifier to track this reservation.
</p>\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to
create one manually via {@link String#builder()}. When the [@link Consumer] completes, {@link
String.Builder#build()} is called immediately and its result is passed to
@link #reservationName(String))\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
"deprecated": false,
"documentation": "<p>The customer-specified identifier to track this reservation.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {

"variableDeclarationType": "String",
"variableName": "reservationName",
"variableType": "String",
"documentation": "<p>The customer-specified identifier to track this reservation.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"beanStyleGetterMethodName": "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName": "setReservedElasticsearchInstanceId",
"c2jName": "ReservedElasticsearchInstanceId",
"c2jShape": "GUID",
"defaultConsumerFluentSetterDocumentation": "<p>The unique identifier for the reservation.</p>

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #reservedElasticsearchInstanceId(String)}.

When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #reservedElasticsearchInstanceId(String)}.

@param reservedElasticsearchInstanceId a consumer that will call methods on {link String.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceId(String)",
"deprecated": false,
"documentation": "<p>The unique identifier for the reservation.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservedElasticsearchInstanceId",
"fluentSetterDocumentation": "<p>The unique identifier for the reservation.</p>

The unique identifier for the reservation.

@return Returns a reference to this object so that method calls can be chained together.

@see #reservedElasticsearchInstanceId(String)",
"getterDocumentation": "<p>The unique identifier for the reservation.</p>

The unique identifier for the reservation.

@return The unique identifier for the reservation.

@see #reservedElasticsearchInstanceId(String)",
"getterModel": {

"returnType": "String",
"documentation": null
},
"http": {

"additionalMarshallingPath": null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>The unique identifier for the reservation.</p>@param reservedElasticsearchInstanceId The unique identifier for the reservation."
, "setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "<p>The unique identifier for the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",}
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link reservedElasticsearchInstanceOfferingId(String)}.<p><param>
reservedElasticsearchInstanceOfferingId a consumer that will call methods on { @link String.Builder} <p>@return Returns a reference to this object so that method calls can be chained together.<p><@see 
#reservedElasticsearchInstanceOfferingId(String)",
"deprecated" : false,
"documentation" : "<p>The offering identifier.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The offering identifier.<p><@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier.</p>
@return The offering identifier.
",
"getterModel" : {
 "returnType" : "String",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "jsonValue" : false,
 "list" : false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservedElasticsearchInstanceOfferingId",
"sensitive": false,
"setterDocumentation": "<p>The offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId
The offering identifier.",
"setterMethodName": "setReservedElasticsearchInstanceOfferingId",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "reservedElasticsearchInstanceOfferingId",
  "variableType": "String",
  "documentation": "<p>The offering identifier.</p>
  
  When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchInstanceType(String)}. Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchInstanceType(String)"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName": "setElasticsearchInstanceType",
"c2jName": "ElasticsearchInstanceType",
"c2jShape": "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchInstanceTypeAsString(String)}.

@see #elasticsearchInstanceType(String)";
"deprecated": false,
"documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"endpointDiscoveryId": false,
"enumType": "ESPartitionInstanceType",
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "elasticsearchInstanceType",
"fluentEnumSetterMethodName": "elasticsearchInstanceType"
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType@return Returns a reference to this object so that method calls can be chained together.@see ESPartitionInstanceType",
"fluentSetterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION.The raw value returned by the service is available from @link #elasticsearchInstanceTypeAsString@return The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceType",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION.The raw value returned by the service is available from @link #elasticsearchInstanceTypeAsString@return The Elasticsearch instance type offered by the reserved instance offering.@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStartTime",
"beanStyleSetterMethodName" : "setStartTime",
"c2jName" : "StartTime",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.\nThis is a convenience that creates an instance of the { @link Instant.Builder} avoiding the need to create one manually via { @link Instant#builder()}.\nWhen the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #startTime(Instant)}\n@param startTime a consumer that will call methods on { @link Instant.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #startTime(Instant)\n", 
"deprecated" : false,
"documentation" : "<p>The time the reservation started.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTime",
"fluentSetterDocumentation" : "<p>The time the reservation started.\n@return The time the reservation started.\n@see #startTime(Instant)\n", 
"getterDocumentation" : "<p>The time the reservation started.\n@return The time the reservation started.\n", 
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StartTime",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StartTime",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTime",
"sensitive" : false,
"setterDocumentation" : "<p>The time the reservation started.</p>@param startTime The time the reservation started.",
"setterMethodName" : "setStartTime",
"setterModel" : {
   "variableDeclarationType" : "java.time.Instant",
   "variableName" : "startTime",
   "variableType" : "java.time.Instant",
   "documentation" : null,
   "simpleType" : "Instant",
   "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.time.Instant",
   "variableName" : "startTime",
   "variableType" : "java.time.Instant",
   "documentation" : "<p>The time the reservation started.</p>",
   "simpleType" : "Instant",
   "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getDuration",
"beanStyleSetterMethodName" : "setDuration"}
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.\nThis is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].\nWhen the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #duration(Integer)].\n\n@param duration a consumer that will call methods on [@link Integer.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #duration(Integer)",
"deprecated" : false,
"documentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.
\n@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "duration",
"getterDocumentation" : "The duration, in seconds, for which the Elasticsearch instance is reserved.
\n@return The duration, in seconds, for which the Elasticsearch instance is reserved.",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "Duration",
"sensitive": false,
"setterDocumentation": "The duration, in seconds, for which the Elasticsearch instance is reserved.
\n@\param duration The duration, in seconds, for which the Elasticsearch instance is reserved.",
"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "duration",
  "variableType": "Integer",
  "documentation": "The duration, in seconds, for which the Elasticsearch instance is reserved.
\n@\param duration The duration, in seconds, for which the Elasticsearch instance is reserved.",
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getFixedPrice",
"beanStyleSetterMethodName": "setFixedPrice",
"c2jName": "FixedPrice",
"c2jShape": "Double",
"defaultConsumerFluentSetterDocumentation": "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the \{@link Double.Builder\} avoiding the need to create one manually via \{@link Double#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #fixedPrice(Double)\}.\n@\param fixedPrice a consumer that will call methods on \{@link Double.Builder\}\n@returns a reference to this object so that method calls can be chained together.\n@see #fixedPrice(Double)",
"deprecated": false,
"documentation": "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.\n\n@\param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.\n\nThis is a convenience that creates an instance of the \{@link Double.Builder\} avoiding the need to create one manually via \{@link Double#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #fixedPrice(Double)\}.\n@returns a reference to this object so that method calls can be chained together.\n@see #fixedPrice(Double)",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "fixedPrice",
"fluentSetterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@return Returns a reference to this object so that method calls can be chained together.",

"fluentSetterMethodName" : "fixedPrice",

"getterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@return The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.",

"getterModel" : {

"returnType" : "Double",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "FixedPrice",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "FixedPrice",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "DOUBLE",

"name" : "FixedPrice",

"sensitive" : false,

"setterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@return Returns a reference to this object so that method calls can be chained together.",

"setterMethodName" : "setFixedPrice",

"setterModel" : {

"variableDeclarationType" : "Double",

"variableName" : "fixedPrice",

"variableType" : "Double",

"documentation" : null,

"simpleType" : "Double",

"name" : "FixedPrice",

"sensitive" : false,

"getterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

"getterModel" : {

"returnType" : "Double",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "FixedPrice",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "FixedPrice",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "DOUBLE",

"name" : "FixedPrice",

"sensitive" : false,

"setterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@return Returns a reference to this object so that method calls can be chained together.",

"setterMethodName" : "setFixedPrice",

"setterModel" : {

"variableDeclarationType" : "Double",

"variableName" : "fixedPrice",

"variableType" : "Double",

"documentation" : null,

"simpleType" : "Double",

"name" : "FixedPrice",

"sensitive" : false,

"getterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

"getterModel" : {

"returnType" : "Double",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "FixedPrice",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "FixedPrice",

"uri" : false

},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "DOUBLE",

"name" : "FixedPrice",

"sensitive" : false,

"setterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@return Returns a reference to this object so that method calls can be chained together.",

"setterMethodName" : "setFixedPrice",

"setterModel" : {

"variableDeclarationType" : "Double",

"variableName" : "fixedPrice",

"variableType" : "Double",

"documentation" : null,

"simpleType" : "Double",

"name" : "FixedPrice",

"sensitive" : false,

"getterDocumentation" : "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. 

@<p>@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

"getterModel" : {

"returnType" : "Double",

"documentation" : null

},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : "<p>The upfront fixed charge you will be paid to purchase the specific reserved Elasticsearch instance offering. </p>",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUsagePrice",
"beanStyleSetterMethodName" : "setUsagePrice",
"c2jName" : "UsagePrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link
#usagePrice(Double)} a consumer that will call methods on { @link Double.Builder}.

@returns a reference to this object so that method calls can be chained together.

@see #usagePrice(Double)

"deprecated" : false,
"documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.

@return Returns a reference to this object so that method calls can be chained together.

@see #usagePrice(Double)

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

\n@returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "usagePrice",
"getterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

\n@return The rate you are charged for each hour for the domain that is using this reserved instance.

"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"setterDocumentation" : "\<p\>The rate you are charged for each hour for the domain that is using this reserved instance.\</p\>\n@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.\"",
"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "\<p\>The rate you are charged for each hour for the domain that is using this reserved instance.\</p\>\",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
The currency code for the reserved Elasticsearch instance offering.

This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.Builder().build()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `currencyCode(String)`.

@see #currencyCode(String)

The currency code for the reserved Elasticsearch instance offering.

Returns a reference to this object so that method calls can be chained together.

@parameter currencyCode The currency code for the reserved Elasticsearch instance offering.

The currency code for the reserved Elasticsearch instance offering.

The currency code for the reserved Elasticsearch instance offering.


The currency code for the reserved Elasticsearch instance offering.

```
@visibility
@getterVisibility
@setterVisibility

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@list
@listModel

@map
@mapModel

@marshallingType
@name
@sensitive

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation
```

This is a convenience that creates an instance of the [ @link Integer.Builder] avoiding the need to create one manually via [ @link Integer#builder()].

When the [ @link Consumer] completes, [ @link Integer.Builder#build()] is called immediately and its result is passed to [ @link #elasticsearchInstanceCount(Integer)].

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation

Returns a reference to this object so that method calls can be chained together.

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation

The number of Elasticsearch instances that have been reserved.

```
@visibility
@getterVisibility
@setterVisibility

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation

```

The number of Elasticsearch instances that have been reserved.

```
@visibility
@getterVisibility
@setterVisibility

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation

```

The number of Elasticsearch instances that have been reserved.

```
@visibility
@getterVisibility
@setterVisibility

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation

```

The number of Elasticsearch instances that have been reserved.

```
@visibility
@getterVisibility
@setterVisibility

@deprecation
@deprecated

@endpointDiscoveryId
@eventPayload
@eventHeader
@enumType
@xmlNameSpaceUri
@timestampFormat

@variable
@variableSetterType
@variableType
@variableDocumentation
@variableDeclarationType

@getterMethodName
@getterModel
@getterShape

@setterMethodName
@setterModel
@setterShape

@beanStyleGetterMethodName
@beanStyleSetterMethodName
@c2jName
@c2jShape

@defaultConsumerFluentSetterDocumentation
@defaultConsumerFluentSetterDocumentation

```

The number of Elasticsearch instances that have been reserved.
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : "The number of Elasticsearch instances that have been reserved.",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getState",
  "beanStyleSetterMethodName" : "setState",
  "c2jName" : "State",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [state(String)].
@see #state(String)"
, "deprecated" : false,
  "documentation" : "The state of the reserved Elasticsearch instance.
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [state(String)].
@see #state(String)",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "state",
  "fluentSetterDocumentation" : "The state of the reserved Elasticsearch instance.
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [state(String)].
@see #state(String)"
, "getterDocumentation" : "The state of the reserved Elasticsearch instance.
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String.Builder].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [state(String)].
@see #state(String)",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@param state The state of the reserved Elasticsearch instance.",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the reserved Elasticsearch instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption"
The payment option as defined in the reserved Elasticsearch instance offering.

This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `StringBuilder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `#paymentOptionAs(String)`. Returns a reference to this object so that method calls can be chained together.

```
@see ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}
```

The raw value returned by the service is available from `ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION`. The payment option as defined in the reserved Elasticsearch instance offering.

```
@deprecated
```

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,

"setterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.\n@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "paymentOption",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "paymentOption",
   "variableType" : "String",
   "documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.\n"",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getRecurringCharges",
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.\nThis is a convenience that creates an instance of the { @link List<RecurringCharge> } avoiding the need to create one manually via { @link List<RecurringCharge>#builder() }.\nWhen the { @link Consumer } completes, { @link List<RecurringCharge>#build() } is called immediately and its result is passed to { @link #recurringCharges(List<RecurringCharge>) }.\n@param recurringCharges a consumer that will call methods on { @link List<RecurringCharge>#Builder }\n@return Returns a reference to this object so that method calls can be chained together.\n@see #recurringCharges(List<RecurringCharge>)",
"deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering."
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "recurringCharges",
"fluentSetterMethodName": "recurringCharges",
"getterDocumentation": "The charge to your account regardless of whether you are creating any domains using the instance offering.
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.
@return Returns a reference to this object so that method calls can be chained together."
"getterModel": {
  "returnType": "java.util.List<RecurringCharge>",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "RecurringCharges",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "RecurringCharges",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
  "implType": "java.util.ArrayList",
  "interfaceType": "java.util.List",
  "listMemberModel": {
    "beanStyleGetterMethodName": "getMember",
    "beanStyleSetterMethodName": "setMember",
    "c2JName": "member",
    "c2JShape": "RecurringCharge",
  }
}
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"sensitive" : false,
"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.\n\n@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>"
},
"xmlNameSpaceUri" : null
}
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : null,
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<RecurringCharge>",
"variableName" : "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
],

"membersAsMap" : {
 "CurrencyCode" : {
 "beanStyleGetterMethodName" : "getCurrencyCode",
 "beanStyleSetterMethodName" : "setCurrencyCode",
 "c2jName" : "CurrencyCode",
 "c2jShape" : "String",
 "defaultConsumerFluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>"
 "deprecated" : false,
 "documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
 "fluentGetterMethodName" : "currencyCode",
 "fluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
 "getterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
 "getterModel" : {
 "returnType" : "String"
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"simple" : true,
"timestampFormat" : null,
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
"Duration": {
    "beanStyleGetterMethodName": "getDuration",
    "beanStyleSetterMethodName": "setDuration",
    "c2jName": "Duration",
    "c2jShape": "Integer",
    "defaultConsumerFluentSetterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
This is a convenience that creates an instance of the {@link Integer.Builder} avoiding the need to create one manually via {@link Integer#builder()}. When the {@link Consumer} completes, {@link Integer.Builder#build()} is called immediately and its result is passed to {@link duration(Integer)}. A duration a consumer that will call methods on {@link Integer.Builder}.

@deprecation @param duration a consumer that will call methods on {@link Integer.Builder}.
@returns Returns a reference to this object so that method calls can be chained together.
@see #duration(Integer)",
    "deprecated": false,
    "documentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "duration",
    "fluentSetterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@return The duration, in seconds, for which the Elasticsearch instance is reserved.
@returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName": "duration",
    "getterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@return The duration, in seconds, for which the Elasticsearch instance is reserved.
@returns a reference to this object so that method calls can be chained together.",
    "getterModel": {
        "returnType": "Integer",
        "documentation": null
    },
    "http": {
        "additionalMarshallingPath": null,
        "additionalUnmarshallingPath": null,
        "flattened": false,
        "greedy": false,
        "header": false,
        "isPayload": false,
        "isStreaming": false,
        "location": null,
        "marshallLocation": "PAYLOAD",
        "marshallLocationName": "Duration",
        "queryString": false,
        "statusCode": false,
        "unmarshallLocationName": "Duration",
        "uri": false
    },
    "xmlNameSpaceUri": null
}
The duration, in seconds, for which the Elasticsearch instance is reserved.

```
param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
```

```
variable "duration" { 
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
}
```

The number of Elasticsearch instances that have been reserved.

```
This is a convenience that creates an instance of the { @link Integer.Builder } avoiding the need to create one manually via { @link Integer#builder() }.

When the { @link Consumer } completes, { @link Integer.Builder#build() } is called immediately and its result is passed to { @link ElasticsearchInstanceCount(Integer) }.

@deprecated
@see ElasticsearchInstanceCount
```

```
return Returns a reference to this object so that method calls can be chained together.
```

```
return ElasticsearchInstanceCount
```

```
public static Integer.Builder fromJson(JsonObject json) { 
  return JsonAdapter.ElasticsearchInstanceCount.fromJson(json);
}
```

```
public static ElasticsearchInstanceCount.Builder fromJson(JsonObject json) { 
  return JsonAdapter.ElasticsearchInstanceCount.fromJson(json);
}
```

```
public static String c2jShape() { 
  return "ElasticsearchInstanceCount";
}
```

```
public static String c2jName() { 
  return "ElasticsearchInstanceCount";
}
```

```
public static String beanStyleGetterMethodName() { 
  return "getElasticsearchInstanceCount";
}
```

```
public static String beanStyleSetterMethodName() { 
  return "setElasticsearchInstanceCount";
}
```
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "elasticsearchInstanceCount",
"fluentSetterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@<param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "elasticsearchInstanceCount",
"getterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@<return The number of Elasticsearch instances that have been reserved.",
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "elasticsearchInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "elasticsearchInstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "elasticsearchInstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>
@<param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.",
"setterMethodName" : "setElasticsearchInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",  
}
"variableName" : "elasticsearchInstanceCount",
"variableType" : "Integer",
"documentation" : null,
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Integer",
"variableName" : "elasticsearchInstanceCount",
"variableType" : "Integer",
"documentation" : "The number of Elasticsearch instances that have been reserved.",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchInstanceType" : {
"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to the Elasticsearch instance type.

@see #elasticsearchInstanceType(String)",
"deprecated" : false,
"documentation" : "The Elasticsearch instance type offered by the reserved instance offering.
If the service returns an enum value that is not available in the current SDK version, @link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION
will return the raw value returned by the service is available from
@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION.

The raw value returned by the service is available from
@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION."}
The Elasticsearch instance type offered by the reserved instance offering.

### ElasticsearchInstanceType

#### Getter

- **Return Type:** String
- **Documentation:** null

#### Setter

- **Method Name:** `setElasticsearchInstanceType`

#### HTTP

- **Additional Marshalling Path:** null
- **Additional Unmarshalling Path:** null
- **Flattened:** false
- **Greedy:** false
- **Header:** false
- **Is Payload:** false
- **Is Streaming:** false
- **Location:** null
- **Marshall Location:** PAYLOAD
- **Marshall Location Name:** ElasticsearchInstanceType
- **QueryString:** false
- **StatusCode:** false
- **Unmarshall Location Name:** ElasticsearchInstanceType
- **Uri:** false

#### IDempotency Token

- **Is Binary:** false
- **JSON Value:** false
- **List:** false
- **List Model:** null
- **Map:** false
- **Map Model:** null
- **Marshalling Type:** STRING
- **Name:** ElasticsearchInstanceType
- **Sensitive:** false
- **Setter Documentation:** The Elasticsearch instance type offered by the reserved instance offering.
- **Setter Method Name:** `setElasticsearchInstanceType`

#### Simple

- **Simple:** true
- **Timestamp Format:** null
- **Variable:** null
"variableName" : "elasticsearchInstanceType",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.<p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
,"FixedPrice" : {
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultValueConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
This is a convenience that creates an instance of the [@link Double.Builder] avoiding the need to create one manually via [@link Double.Builder()].

When the [@link Consumer] completes, [@link Double.Builder#build()] is called immediately and its result is passed to [@link Double#builder()]

@link Double.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #fixedPrice(Double)",
"deprecated" : false,
"documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>

@link FixedPrice

@return Returns a reference to this object so that method calls can be chained together.

@see #fixedPrice(Double)",
"getterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>

@return The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

@see #fixedPrice(Double)",
"getterModel" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "FixedPrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "FixedPrice",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"setterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>\n@\n@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.\n",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
}
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.\n\n@param paymentOption a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #paymentOption(String)"
",
"deprecated" : false,
"documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.\n</p>",
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"endpointDiscoveryId" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.\n</p>\n@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.\n@see ReservedElasticsearchInstancePaymentOption\n@return Returns a reference to this object so that method calls can be chained together.\n@see ReservedElasticsearchInstancePaymentOption",
"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.\nIf the service returns an enum value that is not available in the current SDK version, [@link #paymentOption] will return [@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #paymentOptionAsString].\n</p>\n@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.\n@see ReservedElasticsearchInstancePaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,
"setterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>
@param paymentOption The payment option as defined in the reserved Elasticsearch instance offering.
@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"RecurringCharges" : {
  "beanStyleGetterMethodName" : "getRecurringCharges",
  "beanStyleSetterMethodName" : "setRecurringCharges",
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargeList",
  "defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the { @link List<RecurringCharge>.Builder } avoiding the need to create one manually via { @link List<RecurringCharge>#builder() }. When the { @link Consumer } completes, { @link List<RecurringCharge>.Builder#build() } is called immediately and its result is passed to { @link #recurringCharges(List<RecurringCharge>) }.
@param recurringCharges a consumer that will call methods on { @link List<RecurringCharge>.Builder }.
@return Returns a reference to this object so that method calls can be chained together.
@see #recurringCharges(List<RecurringCharge>)",
  "deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "recurringCharges",
"getterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The charge to your account regardless of whether you are creating any domains using the instance offering.",
"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringCharges",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
  },
"c2jName" : "member",
"c2jShape" : "RecurringCharge",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the RecurringCharge.Builder avoiding the need to create one manually via RecurringCharge#builder().

When the Consumer completes, RecurringCharge.Builder#build() is called immediately and its result is passed to RecurringCharge#member a consumer that will call methods on RecurringCharge.Builder.

@return Returns a reference to this object so that method calls can be chained together.

@see #member(RecurringCharge)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@see #member(RecurringCharge)",
"getterModel" : {
  "documentation" : "",
  "returnType" : "RecurringCharge",
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "RecurringCharge",
    "variableName" : "member",
    "variableType" : "RecurringCharge",
    "documentation" : null,
    "simpleType" : "RecurringCharge",
    "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "RecurringCharge",
    "variableName" : "member",
    "variableType" : "RecurringCharge",
    "documentation" : "",
    "simpleType" : "RecurringCharge",
    "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"sensitive" : false,
"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering."

@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.
"setterMethodName" : "setRecurringCharges"
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : null,
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>",
}
,"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>",
}
,"xmlNameSpaceUri" : null,
}
"ReservationName" : {
  "beanStyleGetterMethodName" : "getReservationName",
  "beanStyleSetterMethodName" : "setReservationName",
  "c2jName" : "ReservationName",
  "c2jShape" : "ReservationToken",
  "defaultConsumerFluentSetterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String)}.
@param reservationName a consumer that will call methods on { @link String.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String),
"deprecated" : false,
"documentation" : "<p>The customer-specified identifier to track this reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservationName",
"fluentSetterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>\n@param reservationName The customer-specified identifier to track this reservation.\n@return Returns a reference to this object so that method calls can be chained together.
@see #reservationName(String),
"getterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>\n@return The customer-specified identifier to track this reservation.",
"getterModel": {
    "returnType": "String",
    "documentation": null
},
"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "ReservationName",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "ReservationName",
    "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ReservationName",
"sensitive": false,
"setterDocumentation": "<p>The customer-specified identifier to track this reservation.</p>\n@param reservationName The customer-specified identifier to track this reservation.",
"setterMethodName": "setReservationName",
"setterModel": {
    "variableDeclarationType": "String",
    "variableName": "reservationName",
    "variableType": "String",
    "documentation": null,
    "simpleType": "String",
    "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "String",
    "variableName": "reservationName",
    "variableType": "String",
    "documentation": "<p>The customer-specified identifier to track this reservation.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
],
"ReservedElasticsearchInstanceId" : {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstanceId(String)].
@param reservedElasticsearchInstanceId a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #reservedElasticsearchInstanceId(String)
",
"deprecated" : false,
"documentation" : "<p>The unique identifier for the reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
@param reservedElasticsearchInstanceId The unique identifier for the reservation.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "reservedElasticsearchInstanceId",
"getterDocumentation" : "<p>The unique identifier for the reservation.</p>
@return The unique identifier for the reservation.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"bodyName" : null,
"bodyLocation" : null,
"bodyLocationName" : null,
"type" : null,
"isSupported" : false,
"requestHttpMetadata" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"bodyName" : null,
"bodyLocation" : null,
"bodyLocationName" : null,
"type" : null,
"isSupported" : false,
"requestHttpMetadata" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"bodyName" : null,
"bodyLocation" : null,
"bodyLocationName" : null,
"type" : null,
"isSupported" : false,
"requestHttpMetadata" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceId",
"queryString" : false,
"bodyName" : null,
"bodyLocation" : null,
"bodyLocationName" : null,
"type" : null,
"isSupported" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>The unique identifier for the reservation.</p>
@param reservedElasticsearchInstanceId The unique identifier for the reservation."
,"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "<p>The unique identifier for the reservation.</p>
"simpleType" : "String",
"variableSetterType" : "String"
"xmlNameSpaceUri" : null
},
"ReservedElasticsearchInstanceOfferingId" : {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder#builder()]).\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #reservedElasticsearchInstanceOfferingId(String)].\n\n@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on [@link String.Builder]\n\nReturns a reference to this object so that method calls can be chained together.\n\n@see
"}
#reservedElasticsearchInstanceOfferingId(String),
"deprecated" : false,
"documentation" : "<p>The offering identifier.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "<p>The offering identifier.</p>
@param 
reservedElasticsearchInstanceOfferingId The offering identifier.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "<p>The offering identifier.</p>
@return The offering identifier.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The offering identifier.
@return The offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "<p>The offering identifier.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"StartTime" : {
"beanStyleGetterMethodName" : "getStartTime",
"beanStyleSetterMethodName" : "setStartTime",
"c2jName" : "StartTime",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.</p>
When the { @link Consumer} completes, { @link Instant.Builder#build()} is called immediately and its result is passed to { @link #startTime(Instant)}.<p>
@param startTime a consumer that will call methods on { @link Instant.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #startTime(Instant)"
,
"deprecated" : false,
"documentation" : "<p>The time the reservation started.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTime",
"fluentSetterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.
@return Returns a reference to this object so that method calls can be chained together.
@see #startTime(Instant)"
,
"getterDocumentation" : "<p>The time the reservation started.</p>
@gettersetterMethod "startTime",
"returnType" : "java.time.Instant",
"documentation" : null
"http": {
   "additionalMarshallingPath": null,
   "additionalUnmarshallingPath": null,
   "flattened": false,
   "greedy": false,
   "header": false,
   "isPayload": false,
   "isStreaming": false,
   "location": null,
   "marshallLocation": "PAYLOAD",
   "marshallLocationName": "StartTime",
   "queryString": false,
   "statusCode": false,
   "unmarshallLocationName": "StartTime",
   "uri": false,
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "StartTime",
"sensitive": false,
"setterDocumentation": "<p>The time the reservation started.</p>
@param startTime The time the reservation started.",
"setterMethodName": "setStartTime",
"setterModel": {
   "variableDeclarationType": "java.time.Instant",
   "variableName": "startTime",
   "variableType": "java.time.Instant",
   "documentation": null,
   "simpleType": "Instant",
   "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
   "variableDeclarationType": "java.time.Instant",
   "variableName": "startTime",
   "variableType": "java.time.Instant",
   "documentation": "<p>The time the reservation started.</p>",
   "simpleType": "Instant",
   "variableSetterType": "java.time.Instant"
}
**xmlNameSpaceUri**: null

**State**:

- **beanStyleGetterMethodName**: "getState",
- **beanStyleSetterMethodName**: "setState",
- **c2jName**: "State",
- **c2jShape**: "String",
- **defaultConsumerFluentSetterDocumentation**: "<p>The state of the reserved Elasticsearch instance.</p> When the [link String#builder()] is called immediately and its result is passed to [link #state(String)].

@ see [link state(String)]”,

  - **deprecated**: false,
  - **documentation**: "The state of the reserved Elasticsearch instance.",
  - **endpointDiscoveryId**: false,
  - **enumType**: null,
  - **eventHeader**: false,
  - **eventPayload**: false,
  - **fluentEnumGetterMethodName**: null,
  - **fluentEnumSetterMethodName**: null,
  - **fluentGetterMethodName**: "state",
  - **fluentSetterDocumentation**: "The state of the reserved Elasticsearch instance.

  @ return Returns a reference to this object so that method calls can be chained together.
  
  @ see [link state(String)]",

- **getterModel**: {}

  - **returnType**: "String",
  - **documentation**: null

- **http**:

  - **additionalMarshallingPath**: null,
  - **additionalUnmarshallingPath**: null,
  - **flattened**: false,
  - **greedy**: false,
  - **header**: false,
  - **isPayload**: false,
  - **isStreaming**: false,
  - **location**: null,
  - **marshallLocation**: "PAYLOAD",
  - **marshallLocationName**: "State",
  - **queryString**: false,
  - **statusCode**: false,
  - **unmarshallLocationName**: "State",
  - **uri**: false
idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"sensitive" : false,
"setterDocumentation" : "The state of the reserved Elasticsearch instance.",
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "The state of the reserved Elasticsearch instance.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
  "beanStyleGetterMethodName" : "getUsagePrice",
  "beanStyleSetterMethodName" : "setUsagePrice",
  "c2jName" : "UsagePrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "The rate you are charged for each hour for the domain that is using this reserved instance.

This is a convenience that creates an instance of the { @link Double.Builder } avoiding the need to create one manually via { @link Double#builder() }. When the { @link Consumer } completes, { @link Double.Builder#build() } is called immediately and its result is passed to { @link #usagePrice(Double) }. Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "The rate you are charged for each hour for the domain that is using this reserved instance."}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "\n<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>\n@\n@return Returns a reference to this object so that method calls can be chained together.\n"fluentSetterMethodName" : "usagePrice",
"getterDocumentation" : "\n<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>\n@return The rate you are charged for each hour for the domain that is using this reserved instance.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.\n"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UsagePrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UsagePrice",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"sensitive" : false,
"setterDocumentation" : "\n<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>\n@\n@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance.\n\n@\n@return The rate you are charged for each hour for the domain that is using this reserved instance.\n\n@\n@return Returns a reference to this object so that method calls can be chained together.\n"setterMethodName" : "setUsagePrice",
"setterModel" : {

"variableDeclarationType": "Double",
"variableName": "usagePrice",
"variableType": "Double",
"documentation": null,
"simpleType": "Double",
"variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Double",
"variableName": "usagePrice",
"variableType": "Double",
"documentation": "The rate you are charged for each hour for the domain that is using this reserved instance.\"p\\n\\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String)}.
\@param reservationName a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
"deprecated": false,
"documentation": "The customer-specified identifier to track this reservation.\"p\\n\\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #reservationName(String)}.
\@param reservationName a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "reservationName",
"fluentSetterMethodName": null,
"fluentSetterDocumentation": "The customer-specified identifier to track this reservation.
\@param reservationName The customer-specified identifier to track this reservation.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)",
"getterDocumentation": "The customer-specified identifier to track this reservation.
\@return Returns a reference to this object so that method calls can be chained together.\n@see #reservationName(String)"}
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservationName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservationName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservationName",
"simple" : false,
"setterDocumentation" : "<p>The customer-specified identifier to track this reservation.</p>
@Param reservationName The customer-specified identifier to track this reservation.",
"setterMethodName" : "setReservationName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservationName",
  "variableType" : "String",
  "documentation" : "<p>The customer-specified identifier to track this reservation.</p>"
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],

"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceId",
"c2jName" : "ReservedElasticsearchInstanceId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via
[@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to
[@link #reservedElasticsearchInstanceId(String)].

@see
#reservedElasticsearchInstanceId(String)",
"deprecated" : false,
"documentation" : "<p>The unique identifier for the reservation.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceId",
"fluentSetterDocumentation" : "<p>The unique identifier for the reservation.</p>
"@param
reservedElasticsearchInstanceId The unique identifier for the reservation.
@returns
A reference to this object so that method calls can be chained together.
"

@see
#reservedElasticsearchInstanceId(String)",
"getterDocumentation" : "<p>The unique identifier for the reservation.</p>",
"getterModel" : {

   "returnType" : "String",
   "documentation" : null
 },

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "ReservedElasticsearchInstanceId",
   "queryString" : false,
   "statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceId",
"sensitive" : false,
"setterDocumentation" : "<p>The unique identifier for the reservation.</p>
@param
reservedElasticsearchInstanceId The unique identifier for the reservation.
",
"setterMethodName" : "setReservedElasticsearchInstanceId",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceId",
"variableType" : "String",
"documentation" : "<p>The unique identifier for the reservation.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The offering identifier.</p>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via {String#builder()}. When the {String.Builder#build()} is called immediately and its result is passed to {reservedElasticsearchInstanceOfferingId(String)}. @param
reservedElasticsearchInstanceOfferingId a consumer that will call methods on {String.Builder} @return
Returns a reference to this object so that method calls can be chained together. @see
#reservedElasticsearchInstanceOfferingId(String)",
"deprecated" : false,
"documentation" : "The offering identifier.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "The offering identifier.
@returns Returns a reference to this object so that method calls can be chained together.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "The offering identifier.
@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "reservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
}
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "<p>The offering identifier.</p>
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
This is a convenience that creates an instance of the [String.Builder] avoiding the need to create one manually via [String#builder()].
When the [Consumer] completes, [String.Builder#build()] is called immediately and its result is passed to [ElasticsearchInstanceType#elasticsearchInstanceTypeAsString] a consumer that will call methods on [String.Builder] and return.
Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
If the service returns an enum value that is not available in the current SDK version, [ElasticsearchInstanceType#UNKNOWN_TO_SDK_VERSION].
The raw value returned by the service is available from [ElasticsearchInstanceTypeAsString].

"fluentSetterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
If the service returns an enum value that is not available in the current SDK version, [ElasticsearchInstanceType#UNKNOWN_TO_SDK_VERSION].
The raw value returned by the service is available from [ElasticsearchInstanceTypeAsString].

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instance offering.

@see ESPartitionInstanceType

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
}

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ElasticsearchInstanceType",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ElasticsearchInstanceType",
    "uri" : false
}

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>

@see ESPartitionInstanceType

"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchInstanceType",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "elasticsearchInstanceType",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"}
"variableType" : "String",
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
"beanStyleGetterMethodName" : "getStartTime",
"beanStyleSetterMethodName" : "setStartTime",
"c2jName" : "StartTime",
"c2jShape" : "UpdateTimestamp",
"defaultConsumerFluentSetterDocumentation" : "<p>The time the reservation started.</p>
This is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via [@link Instant#builder()].
When the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link #startTime(Instant)].
@return Returns a reference to this object so that method calls can be chained together.
@see #startTime(Instant)",
"deprecated" : false,
"documentation" : "<p>The time the reservation started.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTime",
"fluentSetterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "startTime",
"getterDocumentation" : "<p>The time the reservation started.</p>
@see #startTime(Instant)",
"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StartTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StartTime",
  "unmarshallLocationName" : "StartTime",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "startTime",
  "fluentSetterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "startTime",
  "getterDocumentation" : "<p>The time the reservation started.</p>
@see #startTime(Instant)",
  "getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
  },
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StartTime",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StartTime",
  "unmarshallLocationName" : "StartTime",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "startTime",
  "fluentSetterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.
@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "startTime",
  "getterDocumentation" : "<p>The time the reservation started.</p>
@see #startTime(Instant)",
  "getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
  },
  "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StartTime",
  "queryString" : false,
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTime",
"sensitive" : false,
"setterDocumentation" : "<p>The time the reservation started.</p>
@param startTime The time the reservation started.",
"setterMethodName" : "setStartTime",
"setterModel" : {
 "variableDeclarationType" : "java.time.Instant",
 "variableName" : "startTime",
 "variableType" : "java.time.Instant",
 "documentation" : null,
 "simpleType" : "Instant",
 "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "java.time.Instant",
 "variableName" : "startTime",
 "variableType" : "java.time.Instant",
 "documentation" : "<p>The time the reservation started.</p>
"simple" : "Instant",
 "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
{
 "beanStyleGetterMethodName" : "getDuration",
 "beanStyleSetterMethodName" : "setDuration",
 "c2jName" : "Duration",
 "c2jShape" : "Integer",
 "defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
\nThis is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].\n\nWhen the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #duration(Integer)].\n\n@param duration a consumer that will call methods on [@link Integer.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #duration(Integer)",
 "deprecated" : false,
 "documentation" : "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>",
 "endpointDiscoveryId" : false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "duration",
"fluentSetterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "duration",
"getterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@return The duration, in seconds, for which the Elasticsearch instance is reserved.",
"getterModel": {
  "returnType": "Integer",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Duration",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Duration",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "Duration",
"sensitive": false,
"setterDocumentation": "<p>The duration, in seconds, for which the Elasticsearch instance is reserved.</p>
@param duration The duration, in seconds, for which the Elasticsearch instance is reserved.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName": "setDuration",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "duration"
variableName": "duration",
"variableType": "Integer",
"documentation": "The duration, in seconds, for which the Elasticsearch instance is reserved.",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Integer",
"variableName": "duration",
"variableType": "Integer",
"documentation": "The duration, in seconds, for which the Elasticsearch instance is reserved.",
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getFixedPrice",
"beanStyleSetterMethodName": "setFixedPrice",
"c2jName": "FixedPrice",
"c2jShape": "Double",
"defaultConsumerFluentSetterDocumentation": "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double#builder()}. When the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link FixedPrice(Double)}. Returns a reference to this object so that method calls can be chained together.

@see #fixedPrice(Double)",
"deprecated": false,
"documentation": "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "fixedPrice",
"fluentSetterDocumentation": "The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.

@see #fixedPrice(Double)",
"getterModel": {
"returnType": "Double",
"documentation": null
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,
"setterDocumentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering.",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : "<p>The upfront fixed charge you will paid to purchase the specific reserved Elasticsearch instance offering. </p>",
  "simpleType" : "Double"
"variableSetterType" : "Double",
],
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getUsagePrice",
"beanStyleSetterMethodName" : "setUsagePrice",
"c2jName" : "UsagePrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

This is a convenience that creates an instance of the { [ @link Double.Builder] avoiding the need to create one manually via { [ @link Double#builder()]}.

When the { [ @link Consumer]} completes, { [ @link Double.Builder#build()] } is called immediately and its result is passed to { [ @link #usagePrice(Double)]}.  

@return Returns a reference to this object so that method calls can be chained together.

@see #usagePrice(Double)",
"deprecated" : false,
"documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "usagePrice",
"fluentSetterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

The rate you are charged for each hour for the domain that is using this reserved instance.

@get Documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>

@get Model" : {
"returnType" : "Double",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UsagePrice",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UsagePrice",
"uri" : false
}
,"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"sensitive" : false,
"setterDocumentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
@param usagePrice The rate you are charged for each hour for the domain that is using this reserved instance."
,"setterMethodName" : "setUsagePrice",
"setterModel" : {
   "variableDeclarationType" : "Double",
   "variableName" : "usagePrice",
   "variableType" : "Double",
   "documentation" : null,
   "simpleType" : "Double",
   "variableSetterType" : "Double"
},
,"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "Double",
   "variableName" : "usagePrice",
   "variableType" : "Double",
   "documentation" : "<p>The rate you are charged for each hour for the domain that is using this reserved instance.</p>
"simpleType" : "Double",
   "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
}, {
   "beanStyleGetterMethodName" : "getCurrencyCode",
   "beanStyleSetterMethodName" : "setCurrencyCode",
   "c2jName" : "CurrencyCode",
   "c2jShape" : "String",
   "defaultConsumerFluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #currencyCode(String)]
@param currencyCode a consumer that will call methods on [@link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #currencyCode(String)"
"deprecated" : false,
"documentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode",
"fluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currencyCode",
"getterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@return The currency code for the reserved Elasticsearch instance offering.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"sensitive" : false,
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.
@return The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName" : "setCurrencyCode",
"requirementsModel" : {
  "returnType" : "String",
  "documentation" : null
},
"type" : "xs:string"}
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : \"The currency code for the reserved Elasticsearch instance offering.\",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getElasticsearchInstanceCount",
  "beanStyleSetterMethodName" : "setElasticsearchInstanceCount",
  "c2jName" : "ElasticsearchInstanceCount",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : \"The number of Elasticsearch instances that have been reserved.\nThis is a convenience that creates an instance of the \{@link Integer.Builder\} avoiding the need to create one manually via \{@link Integer#builder()\}.\nWhen the \{@link Consumer\} completes, \{@link Integer.Builder#build()\} is called immediately and its result is passed to \{@link ElasticsearchInstanceCount#integer\} a consumer that will call methods on \{@link Integer.Builder\}\n\n@see #elasticsearchInstanceCount\",
  "deprecated" : false,
  "documentation" : \"The number of Elasticsearch instances that have been reserved.\",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "elasticsearchInstanceCount",
  "fluentSetterDocumentation" : \"The number of Elasticsearch instances that have been reserved.\n@param elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.\n@return Returns a reference to this object so that method calls can be chained together.\",
  "fluentSetterMethodName" : "elasticsearchInstanceCount",
  "getterDocumentation" : \"The number of Elasticsearch instances that have been reserved.\",
  "getterModel" : {
    "returnType" : "Integer",
  }
}
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceCount",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceCount",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "ElasticsearchInstanceCount",
"sensitive" : false,
"setterDocumentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>@param
elasticsearchInstanceCount The number of Elasticsearch instances that have been reserved.",
"setterMethodName" : "setElasticsearchInstanceCount",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "elasticsearchInstanceCount",
  "variableType" : "Integer",
  "documentation" : "<p>The number of Elasticsearch instances that have been reserved.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
"xmlNameSpaceUri" : null

"beanStyleGetterMethodName" : "getState",
"beanStyleSetterMethodName" : "setState",
"c2jName" : "State",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to
create one manually via {@link String.Builder}\nWhen the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link #state(String)}\n@params state a
consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this object so that
method calls can be chained together.\n@see #state(String)",
"deprecated" : false,
"documentation" : "<p>The state of the reserved Elasticsearch instance.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "state",
"fluentSetterMethodName" : "state",
"fluentSetterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>
@params state The
state of the reserved Elasticsearch instance.\n@return Returns a reference to this object so that method calls can be
chained together.\n@see #state(String)",
"getterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p>\n@return The state of the
reserved Elasticsearch instance.\n@see #state(String)",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "State",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "State",
  "uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "State",
"sensitive" : false,
"setterDocumentation" : "<p>The state of the reserved Elasticsearch instance.</p><p>@param state The state of the reserved Elasticsearch instance.</p>.
"setterMethodName" : "setState",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "state",
  "variableType" : "String",
  "documentation" : "<p>The state of the reserved Elasticsearch instance.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p><p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.
@n@param paymentOption a consumer that will call methods on {@link String.Builder}@n@n@return Returns a reference to this object so that method calls can be chained together.@n@see #paymentOption(String)",
"deprecated" : false,
"documentation" : "<p>The payment option as defined in the reserved Elasticsearch instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering. The payment option as defined in the reserved Elasticsearch instance offering. The payment option as defined in the reserved Elasticsearch instance offering. Returns a reference to this object so that method calls can be chained together.\n\n@see ReservedElasticsearchInstancePaymentOption
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ReservedElasticsearchInstancePaymentOption",
"fluentSetterMethodNames" : "paymentOption",
"getterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering.\n\nIf the service returns an enum value that is not available in the current SDK version, \n\n@link ReservedElasticsearchInstancePaymentOption\n\n@return The payment option as defined in the reserved Elasticsearch instance offering.\n\n@see ReservedElasticsearchInstancePaymentOption",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "PaymentOption",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "PaymentOption",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,
"setterDocumentation" : "The payment option as defined in the reserved Elasticsearch instance offering. The payment option as defined in the reserved Elasticsearch instance offering. Returns a reference to this object so that method calls can be chained together.\n\n@see ReservedElasticsearchInstancePaymentOption
\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see ReservedElasticsearchInstancePaymentOption"
offering.

@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "paymentOption",
  "variableType" : "String",
  "documentation" : "The payment option as defined in the reserved Elasticsearch instance offering.
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the RecurringChargeList class, allowing easy creation of recurring charges.

@deprecated" : false,
"documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"getterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The charge to your account regardless of whether you are creating any domains using the instance offering.",

"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringCharges",
  "uri" : false
},

"idempotencyToken" : false,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge.Builder].
When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge.Builder#member(RecurringCharge)]

@see #member(RecurringCharge)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null
}
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.
@returns The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.
@returns The value of the Member property for this object.",
"getterModel": {
"returnType": "RecurringCharge",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.
@returns The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
"variableDeclarationType": "RecurringCharge",
"variableName": "member",
"variableType": "RecurringCharge".
"documentation": null,
"simpleType": "RecurringCharge",
"variableSetterType": "RecurringCharge"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "RecurringCharge",
  "variableName": "member",
  "variableType": "RecurringCharge",
  "documentation": "",
  "simpleType": "RecurringCharge",
  "variableSetterType": "RecurringCharge"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "RecurringCharge",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "RecurringCharge",
"templateImplType": "java.util.ArrayList<RecurringCharge>",
"templateType": "java.util.List<RecurringCharge>",
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "RecurringCharges",
"sensitive": false,
"setterDocumentation": "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName": "setRecurringCharges",
"setterModel": {
  "variableDeclarationType": "java.util.List<RecurringCharge>",
  "variableName": "recurringCharges",
  "variableType": "java.util.List<RecurringCharge>",
  "documentation": null,
  "simpleType": "RecurringCharge",
  "variableSetterType": "java.util.Collection<RecurringCharge>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<RecurringCharge>",
  "variableName": "recurringCharges",
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using
the instance offering.</p>",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
}
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedElasticsearchInstance",
"simpleMethod" : false,
"unmarshaller" : {
   "flattened" : false,
   "resultWrapper" : null
},
"variable" : {
   "variableDeclarationType" : "ReservedElasticsearchInstance",
   "variableName" : "reservedElasticsearchInstance",
   "variableType" : "ReservedElasticsearchInstance",
   "documentation" : null,
   "simpleType" : "ReservedElasticsearchInstance",
   "variableSetterType" : "ReservedElasticsearchInstance"
},
"wrapper" : false
],
"ReservedElasticsearchInstanceOffering" : {
   "c2jName" : "ReservedElasticsearchInstanceOffering",
   "customization" : {
      "artificialResultWrapper" : null,
      "skipGeneratingMarshaller" : false,
      "skipGeneratingModelClass" : false,
      "skipGeneratingUnmarshaller" : false,
      "staxTargetDepthOffset" : 0
   },
   "deprecated" : false,
   "documentation" : "<p>Details of a reserved Elasticsearch instance offering.</p>",
   "endpointDiscovery" : null,
   "enums" : null,
   "errorCode" : null,
   "event" : false,
   "eventStream" : false,
   "explicitEventPayloadMember" : null,
   "hasHeaderMember" : false,
   "hasPayloadMember" : false,
   "hasStatusCodeMember" : false,
   "hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
  "beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
  "c2jName" : "ReservedElasticsearchInstanceOfferingId",
  "c2jShape" : "GUID",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String#builder()} is called immediately and its result is passed to {@link #reservedElasticsearchInstanceOfferingId(String)} a consumer that will call methods on {@link String.Builder} \n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #reservedElasticsearchInstanceOfferingId(String)",
  "deprecated" : false,
  "documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "fluentSetterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>\n\n@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.\n\n@return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
  "getterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>\n\n@return The Elasticsearch reserved instance offering identifier.
",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
    "uri" : false
  }
]
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@<link String.Builder> avoiding the need to create one manually via [<link String#builder()]. When the [<link Consumer>] completes, [<link String.Builder#build()]) is called immediately and its result is passed to [<link ElasticsearchInstanceTypeAsString(String)] atacked.
@<link ElasticsearchInstanceType a consumer that will call methods on [<link String.Builder] Returns a reference to this object so that method calls can be chained together.
@see ElasticsearchInstanceType(String)",
"deprecated" : false,
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType
@return Returns a reference to this object so that method calls can be chained together.
@see ESPartitionInstanceType",
"getterDocumentary" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
<p>
If the service returns an enum value that is not available in the current SDK version, [@link #elasticsearchInstanceType] will return [@link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #elasticsearchInstanceTypeAsString].
</p>
@return The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchInstanceType",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchInstanceType",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType"
offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
  "beanStyleGetterMethodName" : "getDuration",
  "beanStyleSetterMethodName" : "setDuration",
  "c2jName" : "Duration",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].
When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link Integer#duration(Integer)].
@see #duration(Integer)
@deprecated"
  "documentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
@deprecated"
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "duration",
  "fluentSetterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.
@deprecated"
  "fluentSetterMethodName" : "duration",
  "getterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch
instance.

@return The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

### setterModel

```
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null
}
```

### http

```
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Duration",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Duration",
  "uri" : false
}
```

### idempotencyToken

```
"idempotencyToken" : false,
```

### isBinary

```
"isBinary" : false,
```

### jsonValue

```
"jsonValue" : false,
```

### list

```
"list" : false,
```

### listModel

```
"listModel" : null,
```

### map

```
"map" : false,
```

### mapModel

```
"mapModel" : null,
```

### marshallingType

```
"marshallingType" : "INTEGER",
```

### name

```
"name" : "Duration",
```

### sensitive

```
"sensitive" : false,
```

### setterDocumentation

```
"setterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.

### setterMethodName

```
"setterMethodName" : "setDuration",
```

### setterModel

```
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer",
}
```

### simple

```
"simple" : true,
```

### timestampFormat

```
"timestampFormat" : null,
```

### variable

```
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
```

---

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"variableType" : "Integer",
"documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
"simpleType" : "Integer",
"variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link FixedPrice(Double)}. When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link FixedPrice(Double)}.

@see #fixedPrice(Double)"
"deprecated" : false,
"documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

@see #fixedPrice(Double)"
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.  

```java

"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
  "variableType" : "Double",
  "documentation" : "The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getUsagePrice",
  "beanStyleSetterMethodName" : "setUsagePrice",
  "c2jName" : "UsagePrice",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "The rate you are charged for each hour the domain that is
```
using the offering is running.</p>

This is a convenience that creates an instance of the \{@link Double.Builder\} avoiding the need to create one manually via \{@link Double#builder()\}.

When the \{@link Consumer\} completes, \{@link Double.Builder#build()\} is called immediately and its result is passed to \{@link #usagePrice(Double)\}.

@<p>@return Returns a reference to this object so that method calls can be chained together.</p>

@see #usagePrice(Double)"},
    "deprecated" : false,
    "documentation" : "&lt;p&gt;The rate you are charged for each hour the domain that is using the offering is running.&lt;/p&gt;",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "usagePrice",
    "fluentSetterDocumentation" : "&lt;p&gt;The rate you are charged for each hour the domain that is using the offering is running.&lt;/p&gt;&lt;n&gt;\n@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.&lt;/p&gt;&lt;n&gt;\n@return The rate you are charged for each hour the domain that is using the offering is running.&lt;/p&gt;&lt;n&gt;\n&lt;return&gt;The rate you are charged for each hour the domain that is using the offering is running.&lt;/p&gt;&lt;n&gt;\n&lt;getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UsagePrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UsagePrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "UsagePrice",
"sensitive" : false,
"setterDocumentation" : "The rate you are charged for each hour the domain that is using the offering is running.
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.

"setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour the domain that is using the offering is running.
@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.

"beanStyleGetterMethodName" : "getCurrencyCode",
"beanStyleSetterMethodName" : "setCurrencyCode",
"c2jName" : "CurrencyCode",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.
This is a convenience that creates an instance of the @link String.Builder] avoiding the need to create one manually via @link String#builder()\nWhen the @link Consumer] completes, @link String.Builder#build()] is called immediately and its result is passed to @link #currencyCode(String)]\n@param currencyCode A consumer that will call methods on @link String.Builder\n@return Returns a reference to this object so that method calls can be chained together.@see #currencyCode(String)
"deprecated" : false,
"documentation" : "The currency code for the reserved Elasticsearch instance offering.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode"
"fluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@param currencyCode The currency code for the reserved Elasticsearch instance offering.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currencyCode",
"getterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@return The currency code for the reserved Elasticsearch instance offering.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flat" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "CurrencyCode",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "CurrencyCode",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"sensitive" : false,
"setterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.\n@param currencyCode The currency code for the reserved Elasticsearch instance offering.\n@return The currency code for the reserved Elasticsearch instance offering."
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "currencyCode",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "The currency code for the reserved Elasticsearch instance offering."
},
"xmlNameSpaceUri" : null},
"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "Payment option for the reserved Elasticsearch instance offering
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder()}. 
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.

When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.

@see #paymentOptionAsString(String)",
  "deprecated" : false,
  "documentation" : "Payment option for the reserved Elasticsearch instance offering",
  "endpointDiscoveryId" : false,
  "enumType" : "ReservedElasticsearchInstancePaymentOption",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "paymentOption",
  "fluentEnumSetterMethodName" : "paymentOption",
  "fluentGetterMethodName" : "paymentOptionAsString",
  "fluentSetterDocumentation" : "Payment option for the reserved Elasticsearch instance offering
If the service returns an enum value that is not available in the current SDK version, {@link paymentOption} will return {@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #paymentOptionAsString(String)}. 

If the service returns an enum value that is not available in the current SDK version, {@link paymentOption} will return {@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {@link #paymentOptionAsString(String)}. 

@see ReservedElasticsearchInstancePaymentOption",
  "getterDocumentation" : "Payment option for the reserved Elasticsearch instance offering",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
  },
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "PaymentOption",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PaymentOption",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonData": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "PaymentOption",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "paymentOption",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"setterDocumentation": "\n\n\n@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName": "setPaymentOption",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "paymentOption",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,
"setterMethodName": "getRecurringCharges",
"getterMethodName": "getRecurringCharges",
"getterModel": {
  "variableDeclarationType": "String",
  "variableName": "recurringCharges",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
This is a convenience that creates an instance of the {@link List<RecurringCharge>.Builder} avoiding the need to create one manually via {@link List<RecurringCharge>#builder()}. When the {@link Consumer} completes, {@link List<RecurringCharge>.Builder#build()} is called immediately and its result is passed to {@link #recurringCharges(List<RecurringCharge>)}. Returns a reference to this object so that method calls can be chained together.

@see #recurringCharges(List<RecurringCharge>)",
"deprecated" : false,
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.
@return Returns a reference to this object so that method calls can be chained together.
"
"fluentSetterMethodName" : "recurringCharges",
"getterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return The charge to your account regardless of whether you are creating any domains using the instance offering.
"
"getterModel" : {
  "returnType" : "java.util.List<RecurringCharge>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
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  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "RecurringCharges",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "RecurringCharges"}
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the [RecurringCharge.Builder] avoiding the need to create one manually via [RecurringCharge.Builder#build()].
When the [Consumer] completes, [RecurringCharge.Builder#build()] is called immediately and its result is passed to [RecurringCharge]
@param member a consumer that will call methods on [RecurringCharge.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(RecurringCharge)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object.
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.
,"fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.
",
  "getterModel" : {
    "returnType" : "RecurringCharge",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : null,
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "RecurringCharge",
  "variableName" : "member",
  "variableType" : "RecurringCharge",
  "documentation" : "",
  "simpleType" : "RecurringCharge",
  "variableSetterType" : "RecurringCharge"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "RecurringCharge",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "RecurringCharge",}
"templateImplType" : "java.util.ArrayList<RecurringCharge>",
"templateType" : "java.util.List<RecurringCharge>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "RecurringCharges",
"sensitive" : false,
"setterDocumentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.
@param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.",
"setterMethodName" : "setRecurringCharges",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : null,
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"simple" : false,
"timestampFormat" : null,
"variable" :
{ "variableDeclarationType" : "java.util.List<RecurringCharge>",
  "variableName" : "recurringCharges",
  "variableType" : "java.util.List<RecurringCharge>",
  "documentation" : "The charge to your account regardless of whether you are creating any domains using the instance offering.",
  "simpleType" : "List<RecurringCharge>",
  "variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlNameSpaceUri" : null
}
],
"membersAsMap" : {
  "CurrencyCode" :
{ "beanStyleGetterMethodName" : "getCurrencyCode",
  "beanStyleSetterMethodName" : "setCurrencyCode",
  "c2jName" : "CurrencyCode",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The currency code for the reserved Elasticsearch instance offering.
This is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.
When the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #currencyCode(String)\}.
@return Returns a reference to this object so that method calls can be chained together.
@see #currencyCode(String)"
, "deprecated" : false,
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.",
  "endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currencyCode",
"fluentSetterMethodName" : "currencyCode",
"fluentSetterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currencyCode",
"getterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@return The currency code for the reserved Elasticsearch instance offering.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrencyCode",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrencyCode",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrencyCode",
"sensitive" : false,
"setterDocumentation" : "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.",
"setterMethodName" : "setCurrencyCode",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode"
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : "The currency code for the reserved Elasticsearch instance offering.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"Duration" : {
  "beanStyleGetterMethodName" : "getDuration",
  "beanStyleSetterMethodName" : "setDuration",
  "c2jName" : "Duration",
  "c2jShape" : "Integer",
  "defaultConsumerFluentSetterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\n
This is a convenience that creates an instance of the Integer.Builder avoiding the need to create one manually via Integer#builder(). When the Consumer completes, Integer.Builder#build() is called immediately and its result is passed to Integer#duration(Integer).\n
@see #duration(Integer)"
},
"deprecated" : false,
"documentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\n
This is a convenience that creates an instance of the Integer.Builder avoiding the need to create one manually via Integer#builder(). When the Consumer completes, Integer.Builder#build() is called immediately and its result is passed to Integer#duration(Integer).\n
@see #duration(Integer)"
},
"returnType" : "null",
"documentation" : null}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Duration",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Duration",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Duration",
"sensitive" : false,
"setterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>\n@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\n",
"setterMethodName" : "setDuration",
"setterModel" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "duration",
    "variableType" : "Integer",
    "documentation" : null,
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "duration",
    "variableType" : "Integer",
    "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>\n",
    "simpleType" : "Integer",
    "variableSetterType" : "Integer"
"ElasticsearchInstanceType" : {
    "beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
    "beanStyleSetterMethodName" : "setElasticsearchInstanceType",
    "c2jName" : "ElasticsearchInstanceType",
    "c2jShape" : "ESPartitionInstanceType",
    "defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.\nThis is a convenience that creates an instance of the [\link String.Builder] avoiding the need to create one manually via [\link String#builder()].\nWhen the [\link Consumer] completes, [\link String.Builder#build()] is called immediately and its result is passed to [\link #elasticsearchInstanceTypeAsString(String)].\n@param elasticsearchInstanceType a consumer that will call methods on [\link String.Builder]\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #elasticsearchInstanceType(String)",
    "deprecated" : false,
    "documentation" : "\nThe Elasticsearch instance type offered by the reserved instance offering.\nIf the service returns an enum value that is not available in the current SDK version, [\link #elasticsearchInstanceType] will return [\link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [\link #elasticsearchInstanceTypeAsString].\n@returns The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType",
    "fluentEnumGetterMethodName" : "elasticsearchInstanceType",
    "fluentEnumSetterMethodName" : "elasticsearchInstanceType",
    "fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
    "fluentSetterDocumentation" : "\nThe Elasticsearch instance type offered by the reserved instance offering.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see ESPartitionInstanceType",
    "fluentSetterMethodName" : "elasticsearchInstanceType",
    "getterDocumentation" : "\nThe Elasticsearch instance type offered by the reserved instance offering.\nIf the service returns an enum value that is not available in the current SDK version, [\link #elasticsearchInstanceType] will return [\link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [\link #elasticsearchInstanceTypeAsString].\n@returns The Elasticsearch instance type offered by the reserved instance offering.\n@see ESPartitionInstanceType",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
    },
},
"xmlNameSpaceUri" : null,
}
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ElasticsearchInstanceType",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ElasticsearchInstanceType",
"uri": false,
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "ElasticsearchInstanceType",
"sensitive": false,
"setterDocumentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"setterMethodName": "setElasticsearchInstanceType",
"setterModel": {
"variableDeclarationType": "String",
"variableName": "elasticsearchInstanceType",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "elasticsearchInstanceType",
"variableType": "String",
"documentation": "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"FixedPrice": {
"beanStyleGetterMethodName": "getFixedPrice",
"beanStyleSetterMethodName": "setFixedPrice",
"c2jName": "FixedPrice",
"c2jName": "FixedPrice",
"c2jShape": "Double",
"defaultConsumerFluentSetterDocumentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>

This is a convenience that creates an instance of the [ @link
Double.Builder} avoiding the need to create one manually via {@link Double#builder()}. When the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link #fixedPrice(Double)}. @param fixedPrice a consumer that will call methods on {@link Double.Builder}@return Returns a reference to this object so that method calls can be chained together. @see #fixedPrice(Double)

  "deprecated" : false,
  "documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "fixedPrice",
  "fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
  @param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "fixedPrice",
  "getterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
  @return Returns a reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "FixedPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "FixedPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,
"setterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : null,
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "Double",
"variableName" : "fixedPrice",
"variableType" : "Double",
"documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"simpleType" : "Double",
"variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"PaymentOption" : {
"beanStyleGetterMethodName" : "getPaymentOptionAsString",
"beanStyleSetterMethodName" : "setPaymentOption",
"c2jName" : "PaymentOption",
"c2jShape" : "ReservedElasticsearchInstancePaymentOption",
"defaultConsumerFluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #paymentOptionAsString(String)}.
@param paymentOption a consumer that will call methods on {@link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.\n@see #paymentOption(String)",
"deprecated" : false,
"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering </p>
endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"deprecated" : false,
"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering </p>
endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedElasticsearchInstancePaymentOption",
"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
If the service returns an enum value that is not available in the current SDK version, {@link #paymentOption} will
return {@link ReservedElasticsearchInstancePaymentOption#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from
{@link #paymentOptionAsString}.
@return Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,
"setterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption",
"setterMethodName" : "setPaymentOption",
"setterModel" : {
  "variableDeclarationType" : "String"
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}

"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",
"simpleType" : "String",
"variableSetterType" : "String"
",
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "paymentOption",
"variableType" : "String",
"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>",
"simpleType" : "String",
"variableSetterType" : "String"
"
}

"RecurringCharges" : {
"beanStyleGetterMethodName" : "getRecurringCharges",
"beanStyleSetterMethodName" : "setRecurringCharges",
"c2jName" : "RecurringCharges",
"c2jShape" : "RecurringChargeList",
"defaultConsumerFluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

The charge to your account regardless of whether you are creating any domains using the instance offering.

This is a convenience that creates an instance of the

[ @link List<RecurringCharge>.Builder] avoiding the need to create one manually via

[ @link List<RecurringCharge>.Builder#builder()]

When the [ @link Consumer] completes,

[ @link List<RecurringCharge>.Builder#build()] is called immediately and its result is passed to

[ @link #recurringCharges(List<RecurringCharge>)].

@param recurringCharges a consumer that will call methods on

[ @link List<RecurringCharge>.Builder] Returns a reference to this object so that method calls can be

chained together.

@see #recurringCharges(List<RecurringCharge>)",
"deprecated" : false,
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "recurringCharges",
"fluentSetterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

The charge to your account regardless of whether you are creating any domains using the instance offering.

@param recurringCharges

@returns a reference to this object so that method calls can be

chained together.

@see #recurringCharges(List<RecurringCharge>)",

"getterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return The charge to your account regardless of whether you are creating any domains using the instance offering.

```
"getterModel" : {
    "returnType" : "java.util.List<RecurringCharge>",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "RecurringCharges",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "RecurringCharges",
    "uri" : false
},

"idempotencyToken" : false,

"list" : true,

"implType" : "java.util.ArrayList",

"listMemberModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "RecurringCharge",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \[ @link RecurringCharge.Builder \] avoiding the need to create one manually via \[ @link RecurringCharge#builder() \].\n\nWhen the \[ @link Consumer \] completes, \[ @link RecurringCharge.Builder#build() \] is called immediately and its result is passed to \[ @link #member(RecurringCharge) \].\n\n@param member a consumer that will call methods on \[ @link RecurringCharge.Builder \]\n@see #member(RecurringCharge)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
```
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
"returnType" : "RecurringCharge",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "RecurringCharge",
"variableName" : "member",
"variableType" : "RecurringCharge",
"documentation" : null,
"simpleType" : "RecurringCharge",
"variableSetterType" : "RecurringCharge"}
The charge to your account regardless of whether you are creating any domains using the instance offering.

The charge to your account regardless of whether you are creating any domains using the instance offering.
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>
",
"xmlNameSpaceUri" : null
",
"ReservedElasticsearchInstanceOfferingId" : {
"beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p\>\n\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #reservedElasticsearchInstanceOfferingId(String)\}\n\n@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on \{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #reservedElasticsearchInstanceOfferingId(String)\)
",
"deprecated" : false,
"documentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p\>\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p\>\n\n@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.\n\n@return Returns a reference to this object so that method calls can be chained together.\n",
"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "\<p\>The Elasticsearch reserved instance offering identifier.\</p\>\n",
"getterModel" : {
"returnType" : "String",
"documentation" : null
",
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.",
"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UsagePrice" : {
"beanStyleGetterMethodName" : "getUsagePrice",
"beanStyleSetterMethodName" : "setUsagePrice",
"c2jName" : "UsagePrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>

This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #usagePrice(Double)}. 

@param usagePrice a consumer that will call methods on { @link Double.Builder}
@return Returns a reference to this object so that method calls can be chained together."
@see

"usagePrice": Double"],
  "deprecated": false,
  "documentation": "The rate you are charged for each hour the domain that is using the offering is running.

- **endpointDiscoveryId**: false,
- **enumType**: null,
- **eventHeader**: false,
- **eventPayload**: false,
- **fluentEnumGetterMethodName**: null,
- **fluentEnumSetterMethodName**: null,
- **fluentGetterMethodName**: "usagePrice",
- **fluentSetterDocumentation**: "The rate you are charged for each hour the domain that is using the offering is running.

- **http**: {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UsagePrice",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UsagePrice",
  "uri": false
},
- **idempotencyToken**: false,
- **isBinary**: false,
- **jsonValue**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
- **marshallingType**: "DOUBLE",
- **name**: "UsagePrice",
- **sensitive": false,
- **setterDocumentation**: "The rate you are charged for each hour the domain that is using the offering is running.

- **idempotencyToken**: false,
- **isBinary**: false,
- **jsonValue**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
- **marshallingType**: "DOUBLE",
- **name**: "UsagePrice",
- **sensitive": false,
- **setterDocumentation**: "The rate you are charged for each hour the domain that is using the offering is running.

- **idempotencyToken**: false,
- **isBinary**: false,
- **jsonValue**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
- **marshallingType**: "DOUBLE",
- **name**: "UsagePrice",
- **sensitive": false,
- **setterDocumentation**: "The rate you are charged for each hour the domain that is using the offering is running.

- **idempotencyToken**: false,
- **isBinary**: false,
- **jsonValue**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
- **marshallingType**: "DOUBLE",
- **name**: "UsagePrice",
- **sensitive": false,
- **setterDocumentation**: "The rate you are charged for each hour the domain that is using the offering is running.

- **idempotencyToken**: false,
- **isBinary**: false,
- **jsonValue**: false,
- **list**: false,
- **listModel**: null,
- **map**: false,
- **mapModel**: null,
- **marshallingType**: "DOUBLE",
- **name**: "UsagePrice",
- **sensitive": false,
- **setterDocumentation**: "The rate you are charged for each hour the domain that is using the offering is running."};

Open Source Used In MSX SD-WAN Service Pack 3.9.0 2072
param usagePrice The rate you are charged for each hour the domain that is using the offering is running.

setterMethodName" : "setUsagePrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : null,
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "usagePrice",
  "variableType" : "Double",
  "documentation" : "The rate you are charged for each hour the domain that is using the offering is running.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ { "beanStyleGetterMethodName" : "getReservedElasticsearchInstanceOfferingId",
"beanStyleSetterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"c2jName" : "ReservedElasticsearchInstanceOfferingId",
"c2jShape" : "GUID",
"defaultConsumerFluentSetterDocumentation" : "The Elasticsearch reserved instance offering identifier.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #reservedElasticsearchInstanceOfferingId(String)}.
@param reservedElasticsearchInstanceOfferingId a consumer that will call methods on { @link String.Builder}
@return Returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "The Elasticsearch reserved instance offering identifier.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"fluentSetterDocumentation" : "The Elasticsearch reserved instance offering identifier.

@link reservedElasticsearchInstanceOfferingId(String)
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.
@return Returns a
reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "&lt;p&gt;The Elasticsearch reserved instance offering identifier.&lt;/p&gt;
@return The Elasticsearch reserved instance offering identifier.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"simple" : false,
"setterDocumentation" : "&lt;p&gt;The Elasticsearch reserved instance offering identifier.&lt;/p&gt;
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "ReservedElasticsearchInstanceOfferingId",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {"primary_language":"en","is_rotation_valid":true,"rotation_correction":0,"is_table":false,"is_diagram":false,"natural_text":"reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "reservedElasticsearchInstanceOfferingId",
"getterDocumentation" : "&lt;p&gt;The Elasticsearch reserved instance offering identifier.&lt;/p&gt;
@return The Elasticsearch reserved instance offering identifier.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ReservedElasticsearchInstanceOfferingId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ReservedElasticsearchInstanceOfferingId",
"simple" : false,
"setterDocumentation" : "&lt;p&gt;The Elasticsearch reserved instance offering identifier.&lt;/p&gt;
@param reservedElasticsearchInstanceOfferingId The Elasticsearch reserved instance offering identifier.

"setterMethodName" : "setReservedElasticsearchInstanceOfferingId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "reservedElasticsearchInstanceOfferingId",
  "variableType" : "ReservedElasticsearchInstanceOfferingId",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" :
"variableDeclarationType" : "String",
"variableName" : "reservedElasticsearchInstanceOfferingId",
"variableType" : "String",
"documentation" : "<p>The Elasticsearch reserved instance offering identifier.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getElasticsearchInstanceTypeAsString",
"beanStyleSetterMethodName" : "setElasticsearchInstanceType",
"c2jName" : "ElasticsearchInstanceType",
"c2jShape" : "ESPartitionInstanceType",
"defaultConsumerFluentSetterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create one manually via [link String#builder()].

When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #elasticsearchInstanceTypeAsString(String)].

@param elasticsearchInstanceType a consumer that will call methods on [link String.Builder]

@returns Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchInstanceType(String)

"deprecated" : false,
"documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
"endpointDiscoveryId" : false,
"enumType" : "ESPartitionInstanceType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "elasticsearchInstanceType",
"fluentEnumSetterMethodName" : "elasticsearchInstanceType",
"fluentGetterMethodName" : "elasticsearchInstanceTypeAsString",
"fluentSetterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.
If the service returns an enum value that is not available in the current SDK version, [link #elasticsearchInstanceType] will return [link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION].
The raw value returned by the service is available from [link #elasticsearchInstanceTypeAsString].

@returns The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType",
"fluentSetterMethodName" : "elasticsearchInstanceType",
"getterDocumentation" : "The Elasticsearch instance type offered by the reserved instance offering.
If the service returns an enum value that is not available in the current SDK version, [link #elasticsearchInstanceType] will return [link ESPartitionInstanceType#UNKNOWN_TO_SDK_VERSION].
The raw value returned by the service is available from [link #elasticsearchInstanceTypeAsString].

@returns The Elasticsearch instance type offered by the reserved instance offering.

@see ESPartitionInstanceType",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ElasticsearchInstanceType",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ElasticsearchInstanceType",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "ElasticsearchInstanceType",
"sensitive" : false,
"setterDocumentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>
@param elasticsearchInstanceType The Elasticsearch instance type offered by the reserved instance offering.
@see ESPartitionInstanceType",
"setterMethodName" : "setElasticsearchInstanceType",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "elasticsearchInstanceType",
  "variableType" : "String",
  "documentation" : "<p>The Elasticsearch instance type offered by the reserved instance offering.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getDuration",
  "beanStyleSetterMethodName" : "setDuration",
"c2jName" : "Duration",
"c2jShape" : "Integer",
"defaultConsumerFluentSetterDocumentation" : "\<p\>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\</p\>\n\nThis is a convenience that creates an instance of the {\@link Integer.Builder} avoiding the need to create one manually via {\@link Integer#builder()}.\n\nWhen the {\@link Consumer} completes, {\@link Integer.Builder#build()} is called immediately and its result is passed to {\@link #duration(Integer)}.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #duration(Integer)",
"deprecated" : false,
"documentation" : "\<p\>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\</p\>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "duration",
"fluentSetterDocumentation" : "\<p\>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\</p\>\n\n@parameter duration a consumer that will call methods on {\@link Integer.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #duration(Integer)",
"fluentSetterMethodName" : "duration",
"getterDocumentation" : "\<p\>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\</p\>\n\n@return The duration, in seconds, for which the offering will reserve the Elasticsearch instance.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #duration(Integer)",
"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Duration",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Duration",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "Duration",
"sensitive" : false,
"setterDocumentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>
@param duration The duration, in seconds, for which the offering will reserve the Elasticsearch instance.",
"setterMethodName" : "setDuration",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "duration",
  "variableType" : "Integer",
  "documentation" : "<p>The duration, in seconds, for which the offering will reserve the Elasticsearch instance.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getFixedPrice",
"beanStyleSetterMethodName" : "setFixedPrice",
"c2jName" : "FixedPrice",
"c2jShape" : "Double",
"defaultConsumerFluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@nThis is a convenience that creates an instance of the [Double.Builder] avoiding the need to create one manually via Double#builder().
@nWhen the [Double.Builder] completes, Double.Builder#build() is called immediately and its result is passed to #fixedPrice(Double).
@n@param fixedPrice a consumer that will call methods on Double.Builder
@n@return Returns a reference to this object so that method calls can be chained together.
@n@see #fixedPrice(Double)",
"deprecated" : false,
"documentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "fixedPrice",
"fluentSetterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "fixedPrice",
"getterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@return The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"getterModel" : {
  "returnType" : "Double",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "FixedPrice",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "FixedPrice",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "FixedPrice",
"sensitive" : false,
"setterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
@param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
"setterMethodName" : "setFixedPrice",
"setterModel" : {
  "variableDeclarationType" : "Double",
  "variableName" : "fixedPrice",
"field" : 
  "name" : "FixedPrice",
  "type" : "Double",
  "getter" : 
  "name" : "getFixedPrice",
  "setter" : 
  "name" : "setFixedPrice",
  "getterDocumentation" : 
  "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
  "name" : "FixedPrice",
  "setterDocumentation" : 
  "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. ",
  "setterMethodName" : "setFixedPrice",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "FixedPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "FixedPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "DOUBLE",
  "name" : "FixedPrice",
  "sensitive" : false,
  "setterDocumentation" : 
  "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
  @param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
  "setterMethodName" : "setFixedPrice",
  "setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "fixedPrice",
    "getterModel" : 
      "returnType" : "Double",
      "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "FixedPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "FixedPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "DOUBLE",
  "name" : "FixedPrice",
  "sensitive" : false,
  "setterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>
  @param fixedPrice The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering.",
  "setterMethodName" : "setFixedPrice",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "FixedPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "FixedPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "DOUBLE",
  "name" : "FixedPrice",
  "sensitive" : false,
  "setterDocumentation" : 
    "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. ",
    "setterMethodName" : "setFixedPrice",
    "getterModel" : {
      "returnType" : "Double",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "FixedPrice",
      "queryString" : false,
      "statusCode" : false,
      "unmarshallLocationName" : "FixedPrice",
      "uri" : false
    },
    "idempotencyToken" : false,
    "isBinary" : false,
    "jsonValue" : false,
    "list" : false,
    "listModel" : null,
    "map" : false,
    "mapModel" : null,
    "marshallingType" : "DOUBLE",
    "name" : "FixedPrice",
    "sensitive" : false,
    "setterDocumentation" : "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. ",
    "setterMethodName" : "setFixedPrice",
    "setterModel" : {
      "variableDeclarationType" : "Double",
      "variableName" : "fixedPrice",
    },
    "getterModel" : 
      "returnType" : "Double",
      "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "FixedPrice",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "FixedPrice",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "DOUBLE",
  "name" : "FixedPrice",
  "sensitive" : false,
"variableType": "Double",
"documentation": null,
"simpleType": "Double",
"variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "Double",
"variableName": "fixedPrice",
"variableType": "Double",
"documentation": "<p>The upfront fixed charge you will pay to purchase the specific reserved Elasticsearch instance offering. </p>",
"simpleType": "Double",
"variableSetterType": "Double"
},
"xmlNameSpaceUri": null
},
"beanStyleGetterMethodName": "getUsagePrice",
"beanStyleSetterMethodName": "setUsagePrice",
"c2jName": "UsagePrice",
"c2jShape": "Double",
"defaultConsumerFluentSetterDocumentation": "<p>The rate you are charged for each hour the domain that is using the offering is running. \nThis is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. \nWhen the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #usagePrice(Double)}. \n@@param usagePrice a consumer that will call methods on { @link Double.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #usagePrice(Double)",
"deprecated": false,
"documentation": "<p>The rate you are charged for each hour the domain that is using the offering is running. </p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "usagePrice",
"fluentSetterDocumentation": "<p>The rate you are charged for each hour the domain that is using the offering is running.\n@@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #usagePrice(Double)\n"",
"fluentSetterMethodName": "usagePrice",
"getterDocumentation": "<p>The rate you are charged for each hour the domain that is using the offering is running.\n@@return The rate you are charged for each hour the domain that is using the offering is running.\n\n@see #usagePrice(Double)\n"",
"getterModel": {
"returnType": "Double",
"documentation": null
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "UsagePrice",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "UsagePrice",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "UsagePrice",
"setterDocumentation": "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>@param usagePrice The rate you are charged for each hour the domain that is using the offering is running.",
"setterMethodName": "setUsagePrice",
"setterModel": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": null,
  "simpleType": "Double",
  "variableSetterType": "Double"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Double",
  "variableName": "usagePrice",
  "variableType": "Double",
  "documentation": "<p>The rate you are charged for each hour the domain that is using the offering is running.</p>",
  "simpleType": "Double"
"variableSetterType": "Double",
"xmlnsSpaceUri": null
}, {
"beanStyleGetterMethodName": "getCurrencyCode",
"beanStyleSetterMethodName": "setCurrencyCode",
"c2jName": "CurrencyCode",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "<p>The currency code for the reserved Elasticsearch instance offering.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #currencyCode(String)].
@param currencyCode a consumer that will call methods on [@link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.<@see #currencyCode(String)>",
"deprecated": false,
"documentation": "<p>The currency code for the reserved Elasticsearch instance offering.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "currencyCode",
"fluentSetterDocumentation": "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@param currencyCode The currency code for the reserved Elasticsearch instance offering.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "currencyCode",
"getterDocumentation": "<p>The currency code for the reserved Elasticsearch instance offering.</p>
@return The currency code for the reserved Elasticsearch instance offering.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "CurrencyCode",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "CurrencyCode",
"uri": false
currencyCode The currency code for the reserved Elasticsearch instance offering.

@param currencyCode The currency code for the reserved Elasticsearch instance offering,

"setterMethodName" : "setCurrencyCode",

"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currencyCode",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"xmlnsSpaceUri" : null
},

"beanStyleGetterMethodName" : "getPaymentOptionAsString",

"beanStyleSetterMethodName" : "setPaymentOption",

"c2jName" : "PaymentOption",

"c2jShape" : "ReservedElasticsearchInstancePaymentOption",

"defaultConsumerFluentSetterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>

@see #paymentOption(String)"

"deprecated" : false,

"documentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>

"endpointDiscoveryId" : false,
"enumType" : "ReservedElasticsearchInstancePaymentOption",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "paymentOption",
"fluentEnumSetterMethodName" : "paymentOption",
"fluentGetterMethodName" : "paymentOptionAsString",
"fluentSetterMethodName" : "paymentOption",
"getterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedElasticsearchInstancePaymentOption",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "PaymentOption",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "PaymentOption",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "PaymentOption",
"sensitive" : false,
"setterDocumentation" : "<p>Payment option for the reserved Elasticsearch instance offering</p>
@param paymentOption Payment option for the reserved Elasticsearch instance offering
@see ReservedElasticsearchInstancePaymentOption
@return Returns a reference to this object so that method calls can be chained together.
@see ReservedElasticsearchInstancePaymentOption"
ReservedElasticsearchInstancePaymentOption",
  "setterMethodname" : "setPaymentOption",
  "setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "paymentOption",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "paymentOption",
    "variableType" : "String",
    "documentation" : 
      "Payment option for the reserved Elasticsearch instance offering",
    "simpleType" : "String",
    "variableSetterType" : "String"
  },
  "xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getRecurringCharges",
  "beanStyleSetterMethodName" : "setRecurringCharges",
  "c2jName" : "RecurringCharges",
  "c2jShape" : "RecurringChargeList",
  "defaultConsumerFluentSetterDocumentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringCharges",
  "fluentSetterDocumentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "deprecated" : false,
  "documentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringCharges",
  "fluentSetterDocumentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "deprecated" : false,
  "documentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringCharges",
  "fluentSetterDocumentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "deprecated" : false,
  "documentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "recurringCharges",
  "fluentSetterDocumentation" : 
    "The charge to your account regardless of whether you are creating
    any domains using the instance offering."
}
"fluentSetterMethodName" : "recurringCharges",
"getterDocumentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.<p/>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

return The charge to your account regardless of whether you are creating any domains using the instance offering.",
"getterModel" : {
"returnType" : "java.util.List<RecurringCharge>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "RecurringCharges",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "RecurringCharges",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "RecurringCharge",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [@link RecurringCharge.Builder] avoiding the need to create one manually via {@link RecurringCharge#builder()}. When the [@link Consumer] completes, {@link RecurringCharge.Builder#build()} is called immediately and its result is passed to [@link #member(RecurringCharge)].

@see #member(RecurringCharge)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.",
"getterModel" : {
    "returnType" : "RecurringCharge",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "RecurringCharge",
    "variableName" : "member",
    "variableType" : "RecurringCharge"
The charge to your account regardless of whether you are creating any domains using the instance offering.

@<param recurringCharges The charge to your account regardless of whether you are creating any domains using the instance offering.

The charge to your account regardless of whether you are creating any domains using the instance offering. The charge to your account regardless of whether you are creating any domains using the instance offering.

The charge to your account regardless of whether you are creating any domains using the instance offering.

The charge to your account regardless of whether you are creating any domains using the instance offering.
"variableType" : "java.util.List<RecurringCharge>",
"documentation" : "<p>The charge to your account regardless of whether you are creating any domains using the instance offering.</p>",
"simpleType" : "List<RecurringCharge>",
"variableSetterType" : "java.util.Collection<RecurringCharge>"
},
"xmlnsNameSpaceUri" : null
},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedElasticsearchInstanceOffering",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "ReservedElasticsearchInstanceOffering",
"variableName" : "reservedElasticsearchInstanceOffering",
"variableType" : "ReservedElasticsearchInstanceOffering",
"documentation" : null,
"simpleType" : "ReservedElasticsearchInstanceOffering",
"variableSetterType" : "ReservedElasticsearchInstanceOffering"
},
"wrapper" : false
},
"ReservedElasticsearchInstancePaymentOption" : {
"c2jName" : "ReservedElasticsearchInstancePaymentOption",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "",
"endpointDiscovery" : null,
"enums" : [ {
"name" : "ALL_UPFRONT",
"value" : "ALL_UPFRONT"
}, {
"name" : "PARTIAL_UPFRONT",
"value" : "PARTIAL_UPFRONT"
}, {
"name" : "NO_UPFRONT",
"value" : "NO_UPFRONT"}]}
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshallers" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ReservedElasticsearchInstancePaymentOption",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ReservedElasticsearchInstancePaymentOption",
  "variableName" : "reservedElasticsearchInstancePaymentOption",
  "variableType" : "ReservedElasticsearchInstancePaymentOption",
  "documentation" : null,
  "simpleType" : "ReservedElasticsearchInstancePaymentOption",
  "variableSetterType" : "ReservedElasticsearchInstancePaymentOption"
},
"wrapper" : false
}

"ResourceAlreadyExistsException" : {
  "c2jName" : "ResourceAlreadyExistsException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>An exception for creating a resource that already exists. Gives http status code of 400.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "ResourceAlreadyExistsException",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "ResourceAlreadyExistsException",
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  "enums" : null,
  "errorCode" : "ResourceAlreadyExistsException",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "ResourceAlreadyExistsException",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "ResourceAlreadyExistsException",
  "endpointDiscovery" : null,
  "enums" : null,
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  "endpointDiscovery" : null,
  "enums" : null,
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  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "ResourceAlreadyExistsException",
  "endpointDiscovery" : null,
  "enums" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : 409,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ResourceAlreadyExistsException",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "ResourceAlreadyExistsException",
  "variableName" : "resourceAlreadyExistsException",
  "variableType" : "ResourceAlreadyExistsException",
  "documentation" : null,
  "simpleType" : "ResourceAlreadyExistsException",
  "variableSetterType" : "ResourceAlreadyExistsException"
},
"wrapper" : false
},
"ResourceNotFoundException" : {
  "c2jName" : "ResourceNotFoundException",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : "ResourceNotFoundException",
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
"beanStyleSetterMethodName" : "setCurrentVersion",
"c2jName" : "CurrentVersion",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "<p>The current service software version that is present on the domain.</p>This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #currentVersion(String)}. param currentVersion a consumer that will call methods on { @link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see #currentVersion(String)",
"deprecated" : false,
"documentation" : "<p>The current service software version that is present on the domain.</p",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currentVersion",
"fluentSetterMethodName" : "currentVersion",
"fluentSetterDocumentation" : "<p>The current service software version that is present on the domain.</p>

@param currentVersion The current service software version that is present on the domain.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "currentVersion",
"getterDocumentation" : "<p>The current service software version that is present on the domain.</p>

@return The current service software version that is present on the domain.

getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrentVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrentVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current service software version that is present on the domain.</p>
@param currentVersion The current service software version that is present on the domain.",
"setterMethodName" : "setCurrentVersion",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "currentVersion",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "currentVersion",
    "variableType" : "String",
    "documentation" : "<p>The current service software version that is present on the domain.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
{
    "beanStyleGetterMethodName" : "getNewVersion",
    "beanStyleSetterMethodName" : "setNewVersion",
    "c2jName" : "NewVersion",
    "c2jShape" : "String",
    "defaultValueConsumerFluentSetterDocumentation" : "<p>The new service software version if one is available.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder().} When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #newVersion(String)}. @param newVersion a consumer that will call methods on { @link String.Builder} @return Returns a reference to this object so that method calls can be chained together.@see #newVersion(String)",
    "deprecated" : false,
    "documentation" : "<p>The new service software version if one is available.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "newVersion",
"fluentSetterDocumentation" : "The new service software version if one is available.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "newVersion",
"getterDocumentation" : "The new service software version if one is available.\n@return The new service software version if one is available.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "NewVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "NewVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NewVersion",
"setterDocumentation" : "The new service software version if one is available.\n@param newVersion The new service software version if one is available.\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setNewVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "newVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "newVersion",
  "variableType" : "String",
  "documentation" : "<p>The new service software version if one is available.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getUpdateAvailable",
  "beanStyleSetterMethodName" : "setUpdateAvailable",
  "c2jName" : "UpdateAvailable",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version.
</p>
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "updateAvailable",
  "fluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version.
</p>
  "fluentSetterMethodName" : "updateAvailable",
  "getterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version. <code>False</code> if you are not able to update your service software version.
</p>
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateAvailable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateAvailable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpdateAvailable",
"sensitive" : false,
"setterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>@param updateAvailable True if you are able to update you service software version. <code>False</code>,
"setterMethodName" : "setUpdateAvailable",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "updateAvailable",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "updateAvailable",
  "variableType" : "Boolean",
  "documentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getCancellable"
"beanStyleSetterMethodName" : "setCancellable",
"c2jName" : "Cancellable",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
</p>\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #cancellable(Boolean)}.\n@param cancellable a consumer that will call methods on {@link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together.\n\n\n@see #cancellable(Boolean)",
"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
</p>\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #cancellable(Boolean)}.\n@param cancellable a consumer that will call methods on {@link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together."
,"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cancellable",
"fluentSetterMethodName" : "cancellable",
"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
</p>\nThis is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder()}.\nWhen the {@link Consumer} completes, {@link Boolean.Builder#build()} is called immediately and its result is passed to {@link #cancellable(Boolean)}.\n@param cancellable a consumer that will call methods on {@link Boolean.Builder}.
@return Returns a reference to this object so that method calls can be chained together."
,"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Cancellable",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Cancellable",
  "uri" : false
},
"httpClientPolicy" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Cancellable",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Cancellable",
  "uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Cancellable",
"sensitive" : false,
"setterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
@param cancellable True if you are able to cancel your service software version update. <code>False",
"setterMethodName" : "setCancellable",
"setterModel" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "cancellable",
 "variableType" : "Boolean",
 "documentation" : null,
 "simpleType" : "Boolean",
 "variableSetterType" : "Boolean"
 },
 "simple" : true,
 "timestampFormat" : null,
 "variable" : {
 "variableDeclarationType" : "Boolean",
 "variableName" : "cancellable",
 "variableType" : "Boolean",
 "documentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. </p>
 @param cancellable
},
 "xmlNameSpaceUri" : null
},
 {
 "beanStyleGetterMethodName" : "getUpdateStatusAsString",
 "beanStyleSetterMethodName" : "setUpdateStatus",
 "c2jName" : "UpdateStatus",
 "c2jShape" : "DeploymentStatus",
 "defaultConsumerFluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code(COMPLETED)</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}.

When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link UpdateStatusAsString(String)}.\n\n@see #updateStatus(String)",
 "deprecated" : false,
"documentation": "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.

@see DeploymentStatus
@return Returns a reference to this object so that method calls can be chained together.
@see DeploymentStatus",

"fluentyEnumGetterMethodName": "updateStatus",
"fluentyEnumSetterMethodName": "updateStatus",
"fluentyGetterMethodName": "updateStatusAsString",
"fluentySetterDocumentation": "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.

If the service returns an enum value that is not available in the current SDK version, [@link updateStatus] will return [@link DeploymentStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #updateStatusAsString].

@return The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.
@see DeploymentStatus",

"getterDocumentation": "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.\n\nIf the service returns an enum value that is not available in the current SDK version, [@link updateStatus] will return [@link DeploymentStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #updateStatusAsString].\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see DeploymentStatus",

"getterModel": {
    "returnType": "String",
    "documentation": null
},

"http": {
    "additionalMarshallingPath": null,
    "additionalUnmarshallingPath": null,
    "flattened": false,
    "greedy": false,
    "header": false,
    "isPayload": false,
    "isStreaming": false,
    "location": null,
    "marshallLocation": "PAYLOAD",
    "marshallLocationName": "UpdateStatus",
    "queryString": false,
    "statusCode": false,
    "unmarshallLocationName": "UpdateStatus",
    "uri": false
},

"idempotencyToken": false
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpdateStatus",
"sensitive": false,

"setterDocumentation": "The status of your service software update. This field can take the following values: "ELIGIBLE", "PENDING_UPDATE", "IN_PROGRESS", "COMPLETED", and "NOT_ELIGIBLE".

@param updateStatus The status of your service software update. This field can take the following values: "ELIGIBLE", "PENDING_UPDATE", "IN_PROGRESS", "COMPLETED", and "NOT_ELIGIBLE".
@see DeploymentStatus",

"setterMethodName": "setUpdateStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "updateStatus",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,

"variable": {
  "variableDeclarationType": "String",
  "variableName": "updateStatus",
  "variableType": "String",
  "documentation": "The status of your service software update. This field can take the following values: "ELIGIBLE", "PENDING_UPDATE", "IN_PROGRESS", "COMPLETED", and "NOT_ELIGIBLE".

@see DeploymentStatus",

"variableSetterType": "String"
},

"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getDescription",
"beanStyleSetterMethodName": "setDescription",
"c2jName": "Description",
"c2jShape": "String",

defaultConsumerFluentSetterDocumentation": "The description of the

@see UpdateStatus</code>.\n<p>This is a convenience that creates an instance of the \{@link String.Builder\}
avoiding the need to create one manually via \{@link String.Builder()\}.\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link

description(String)\}.\n@see #description(String)\n
Returns a reference to this object so that method calls can be chained together.\n@see #description(String)"
"deprecated" : false,
"documentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "description",
"fluentSetterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;&lt;@param description The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.&gt;",
"fluentSetterMethodName" : "description",
"getterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;&lt;@return The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Description",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Description",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Description",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;&lt;@param description The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;&lt;@return Returns a reference to this object so that method calls can be chained together.&gt;",
"setterMethodName" : "setDescription"
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "description",
    "variableType" : "String",
    "documentation" : "<p>The description of the <code>UpdateStatus</code>.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
    "beanStyleGetterMethodName" : "getAutomatedUpdateDate",
    "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
    "c2jName" : "AutomatedUpdateDate",
    "c2jShape" : "DeploymentCloseDateTimeStamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
This is a convenience that creates an instance of the [ @link Instant.Builder] avoiding the need to create one manually via [ @link Instant#builder()]. When the [ @link Consumer] completes, [ @link Instant.Builder#build()] is called immediately and its result is passed to [ @link #automatedUpdateDate(Instant)] a consumer that will call methods on [ @link Instant.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #automatedUpdateDate(Instant)",
    "deprecated" : false,
    "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "automatedUpdateDate",
    "fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
    "getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #automatedUpdateDate(Instant)"
}
software update. After this date, we automatically update your service software.

@return Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.

"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : false,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedUpdateDate",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedUpdateDate",
  "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "INSTANT",

"name" : "AutomatedUpdateDate",

"simple" : true,

"setterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>

@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.

"setterMethodName" : "setAutomatedUpdateDate",

"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},

"simple" : true,

"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "automatedUpdateDate",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
],
"membersAsMap" : {
  "AutomatedUpdateDate" : {
    "beanStyleGetterMethodName" : "getAutomatedUpdateDate",
    "beanStyleSetterMethodName" : "setAutomatedUpdateDate",
    "c2jName" : "AutomatedUpdateDate",
    "c2jShape" : "DeploymentCloseDateTimeStamp",
    "defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
This is a convenience that creates an instance of the {\link Instant.Builder} avoiding the need to create one manually via {\link Instant.Builder#builder()}.\n\nWhen the {\link Instant.Consumer} completes, {\link Instant.Builder#build()} is called immediately and its result is passed to {\link Instant#automatedUpdateDate(Instant)}.\n\n@see {\link #automatedUpdateDate(Instant)}",
    "deprecated" : false,
    "documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "automatedUpdateDate",
    "fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update.
@return Returns a reference to this object so that method calls can be chained together.
@see #automatedUpdateDate(Instant)",
    "getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@return Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.
@see #automatedUpdateDate(Instant)",
    "getterModel" : {
      "returnType" : "java.time.Instant",
      "documentation" : null
    }
  }
}
"http": {  
  "additionalMarshallingPath": null,  
  "additionalUnmarshallingPath": null,  
  "flattened": false,  
  "greedy": false,  
  "header": false,  
  "isPayload": false,  
  "isStreaming": false,  
  "location": null,  
  "marshallLocation": "PAYLOAD",  
  "marshallLocationName": "AutomatedUpdateDate",  
  "queryString": false,  
  "statusCode": false,  
  "unmarshallLocationName": "AutomatedUpdateDate",  
  "uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "AutomatedUpdateDate",
"sensitive": false,
"setterDocumentation": "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.",

"setterMethodName": "setAutomatedUpdateDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "automatedUpdateDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},

"simple": true,
"timestampFormat": null,

"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "automatedUpdateDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>"
"simpleType" : "Instant",
"variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
),
"Cancellable" : {
"beanStyleGetterMethodName" : "getCancellable",
"beanStyleSetterMethodName" : "setCancellable",
"c2jName" : "Cancellable",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
This is a convenience that creates an instance of the {|link Boolean.Builder} avoiding the need to create one manually via {|link Boolean#builder()}. When the {|link Consumer} completes, {|link Boolean.Builder#build()} is called immediately and its result is passed to {|link #cancellable(Boolean)}.
@see #cancellable(Boolean)"
,
"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cancellable",
"fluentSetterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
</p>\n@param cancellable a consumer that will call methods on {|link Boolean.Builder}\n@return Returns a reference to this object so that method calls can be chained together.
@see #cancellable(Boolean)",
"fluentSetterMethodName" : "cancellable",
"getterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version.
@return Returns a reference to this object so that method calls can be chained together.
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Cancellable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Cancellable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "Cancellable",
"sensitive" : false,
"setterDocumentation" : "<p><code>True</code> if you are able to cancel your service software version update. <code>False</code> if you are not able to cancel your service software version. 
@param cancellable True if you are able to cancel your service software version update. <code>False</code>,
"setterMethodName" : "setCancellable",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version. 
</p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlnsNameSpaceUri" : null
},
"CurrentVersion" : {
  "beanStyleGetterMethodName" : "getCurrentVersion",
  "beanStyleSetterMethodName" : "setCurrentVersion",
  "c2jName" : "CurrentVersion",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The current service software version that is present on
This is a convenience that creates an instance of the `{@link String.Builder}` avoiding the need to create one manually via `{@link String#builder()}`. When the `{@link Consumer}` completes, `{@link String.Builder#build()}` is called immediately and its result is passed to `{@link #currentVersion(String)}`.

@see #currentVersion(String)

@deprecated

The current service software version that is present on the domain.

@see #currentVersion(String)

@methodDocumentation

@methodBody

@methodModel

@http

@idempotencyToken

@isBinary

@jsonValue

@list

@listModel

@map

@mapModel

@marshallingType

@fluentEnumGetterMethodName

@fluentEnumSetterMethodName

@fluentGetterMethodName

@fluentSetterMethodName

@getterDocumentation

@getterModel

@httpMarshallingPath

@httpUnmarshallingPath

@isGreedy

@isHeader

@isPayload

@isStreaming

@marshallLocation

@marshallLocationName

@queryString

@statusCode

@unmarshallLocationName

@uri

@idempotencyToken

@isBinary

@jsonValue

@list

@listModel

@map

@mapModel

@marshallingType

"STRING"
"name": "CurrentVersion",
"sensitive": false,
"setterDocumentation": "<p>The current service software version that is present on the domain.</p>
@param currentVersion The current service software version that is present on the domain.",
"setterMethodName": "setCurrentVersion",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "currentVersion",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "currentVersion",
  "variableType": "String",
  "documentation": "<p>The current service software version that is present on the domain.</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"Description": {
  "beanStyleGetterMethodName": "getDescription",
  "beanStyleSetterMethodName": "setDescription",
  "c2jName": "Description",
  "c2jShape": "String",
  "defaultConsumerFluentSetterDocumentation": "<p>The description of the <code>UpdateStatus</code>.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.
When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #description(String)}. Returns a reference to this object so that method calls can be chained together.
@see #description(String)",
  "deprecated": false,
  "documentation": "<p>The description of the <code>UpdateStatus</code>.</p>",
  "endpointDiscoveryId": false,
  "enumType": null,
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "description",
  "fluentSetterDocumentation": "<p>The description of the <code>UpdateStatus</code>.</p>
@return Returns a reference to this object so that method calls can be chained together.
@see #description(String)"},
"fluentSetterMethodName": "description",
"getterDocumentation": "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;

\n
@return The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.",

"getterModel": {
  "returnType": "String",
  "documentation": null
},

"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Description",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Description",
  "uri": false
},

"idempotencyToken": false,

"isBinary": false,

"jsonValue": false,

"list": false,

"listModel": null,

"map": false,

"mapModel": null,

"marshallingType": "STRING",

"name": "Description",

"sensitive": false,

"setterDocumentation": "&lt;p&gt;The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.&lt;/p&gt;

\n
@param description

The description of the &lt;code&gt;UpdateStatus&lt;/code&gt;.",

"setterMethodName": "setDescription",

"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "String",
  "variableName": "description",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"variableName" : "description",
"variableType" : "String",
"documentation" : "The description of the UpdateStatus.",
"simpleType" : "String",
"variableSetterType" : "String",
"xmlNameSpaceUri" : null,

"NewVersion" : {
  "beanStyleGetterMethodName" : "getNewVersion",
  "beanStyleSetterMethodName" : "setNewVersion",
  "c2jName" : "NewVersion",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The new service software version if one is available.
  This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().
  When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #newVersion(String). Returns a reference to this object so that method calls can be chained together.
  @param newVersion The new service software version if one is available.
  @return Returns a reference to this object so that method calls can be chained together.
  
  @link String#builder()
  @link String.Builder
  @link #newVersion(String)
  @deprecated"
  "documentation" : "The new service software version if one is available.",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetMethodName" : "newVersion",
  "fluentSetterDocumentation" : "The new service software version if one is available.
  @param newVersion The new service software version if one is available.
  @return Returns a reference to this object so that method calls can be chained together.
  
  @link #newVersion(String)
  @link String.Builder
  @link String#builder()
  @link #newVersion(String)
  @deprecated"
  "documentation" : "The new service software version if one is available.",
  "getterDocumentation" : "The new service software version if one is available.
  @return The new service software version if one is available.
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD"
"marshallLocationName" : "NewVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NewVersion",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NewVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The new service software version if one is available.</p>@param newVersion
The new service software version if one is available.",
"setterMethodName" : "setNewVersion",
"setterModel" : {
 "variableDeclarationType" : "String",
 "variableName" : "newVersion",
 "variableType" : "String",
 "documentation" : null,
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "String",
 "variableName" : "newVersion",
 "variableType" : "String",
 "documentation" : "<p>The new service software version if one is available.</p>",
 "simpleType" : "String",
 "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"UpdateAvailable" : {
 "beanStyleGetterMethodName" : "getUpdateAvailable",
 "beanStyleSetterMethodName" : "setUpdateAvailable",
 "c2jName" : "UpdateAvailable",
 "c2jShape" : "Boolean",
 "defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version. </p>
This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean#builder()}. When the {@link Consumer} completes, {@link Boolean.Builder#build()} is called
immediately and its result is passed to [@link #updateAvailable(Boolean)]
@param updateAvailable a consumer that will call methods on [@link Boolean.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #updateAvailable(Boolean)

"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to update you service software version.
<code>False</code> if you are not able to update your service software version. </p>
@param updateAvailable True</code> if you are able to update you service software version. <code>False
@return Returns a reference to this object so that method calls can be chained together."
,
"fluentSetterMethodName" : "updateAvailable",
"getterDocumentation" : "<p><code>True</code> if you are able to update you service software version.
<code>False</code> if you are not able to update your service software version. </p>
@return True</code> if you are able to update you service software version. <code>False",
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpdateAvailable",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpdateAvailable",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "UpdateAvailable",
"sensitive" : false,
"setterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
@param updateAvailable True if you are able to update your service software version. <code>False</code>,
"setterMethodName" : "setUpdateAvailable",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "updateAvailable",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "updateAvailable",
  "variableType" : "Boolean",
  "documentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
},
"xmlNameSpaceUri" : null
},
"UpdateStatus" : {
  "beanStyleGetterMethodName" : "getUpdateStatusAsString",
  "beanStyleSetterMethodName" : "setUpdateStatus",
  "c2jName" : "UpdateStatus",
  "c2jShape" : "DeploymentStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the <link String.Builder> avoiding the need to create one manually via <code>String.Builder</code>.
When the <link Consumer> completes, <link String.Builder> is called immediately and its result is passed to <code>updateStatusAsString(String)</code>. Returns a reference to this object so that method calls can be chained together.
@see #updateStatus(String)
" deprecated" : false,
  "documentation" : "<p>The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the <link String.Builder> avoiding the need to create one manually via <code>String.Builder</code>.
When the <link Consumer> completes, <link String.Builder> is called immediately and its result is passed to <code>updateStatusAsString(String)</code>. Returns a reference to this object so that method calls can be chained together.
@see #updateStatus(String)
"}
,"endpointDiscoveryId" : false,
"enumType" : "DeploymentStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "updateStatus",
"fluentEnumSetterMethodName" : "updateStatus",
"fluentGetterMethodName" : "updateStatusAsString",
"fluentSetterDocumentation" : "The status of your service software update. This field can take the following values: \&lt;code&gt;ELIGIBLE\&lt;/code&gt;, \&lt;code&gt;PENDING_UPDATE\&lt;/code&gt;, \&lt;code&gt;IN_PROGRESS\&lt;/code&gt;, \&lt;code&gt;COMPLETED\&lt;/code&gt;, and \&lt;code&gt;NOT_ELIGIBLE\&lt;/code&gt;.

@param updateStatus The status of your service software update. This field can take the following values: \&lt;code&gt;ELIGIBLE\&lt;/code&gt;, \&lt;code&gt;PENDING_UPDATE\&lt;/code&gt;, \&lt;code&gt;IN_PROGRESS\&lt;/code&gt;, and \&lt;code&gt;NOT_ELIGIBLE\&lt;/code&gt;.

@see DeploymentStatus
@return Returns a reference to this object so that method calls can be chained together.
@see DeploymentStatus",

"fluentSetterMethodName" : "updateStatus",

"getterDocumentation" : "The status of your service software update. This field can take the following values: \&lt;code&gt;ELIGIBLE\&lt;/code&gt;, \&lt;code&gt;PENDING_UPDATE\&lt;/code&gt;, \&lt;code&gt;IN_PROGRESS\&lt;/code&gt;, \&lt;code&gt;COMPLETED\&lt;/code&gt;, and \&lt;code&gt;NOT_ELIGIBLE\&lt;/code&gt;.

If the service returns an enum value that is not available in the current SDK version, [{@link #updateStatus} will return {@link DeploymentStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from [{@link #updateStatusAsString}].

@return The status of your service software update. This field can take the following values: \&lt;code&gt;ELIGIBLE\&lt;/code&gt;, \&lt;code&gt;PENDING_UPDATE\&lt;/code&gt;, \&lt;code&gt;IN_PROGRESS\&lt;/code&gt;, \&lt;code&gt;COMPLETED\&lt;/code&gt;, and \&lt;code&gt;NOT_ELIGIBLE\&lt;/code&gt;.

@see DeploymentStatus",

"getterModel" : {
  
  "returnType" : "String",
  
  "documentation" : null
 },

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateStatus",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateStatus",
  "uri" : false
 },

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpdateStatus",
"sensitive" : false,
"setterDocumentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. 

@see DeploymentStatus",
"setterMethodName" : "setUpdateStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getCurrentVersion",
    "beanStyleSetterMethodName" : "setCurrentVersion",
    "c2jName" : "CurrentVersion",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "The current service software version that is present on the domain. This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String.Builder(). When the @link Consumer completes, @link String.Builder.build() is called immediately and its result is passed to @link #currentVersion(String). @param currentVersion a consumer that will call methods on @link String.Builder.@return Returns a reference to this object so that method calls can be chained together.@see #currentVersion(String)",
    "deprecated" : false,
    "documentation" : "The current service software version that is present on the domain."
  }
]
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "currentVersion",
"fluentSetterDocumentation" : "<p>The current service software version that is present on the domain.</p>@param currentVersion The current service software version that is present on the domain.@return
Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "currentVersion",
"getterDocumentation" : "<p>The current service software version that is present on the domain.</p>@return
The current service software version that is present on the domain.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CurrentVersion",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CurrentVersion",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "CurrentVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The current service software version that is present on the domain.</p>@param currentVersion The current service software version that is present on the domain.@return
The current service software version that is present on the domain.",
"setterMethodname" : "setCurrentVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion"}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
],
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "currentVersion",
  "variableType" : "String",
  "documentation" : "<p>The current service software version that is present on the domain.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"
  "beanStyleGetterMethodName" : "getNewVersion",
  "beanStyleSetterMethodName" : "setNewVersion",
  "c2jName" : "NewVersion",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "<p>The new service software version if one is available.</p>
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().
When the Consumer completes, String.Builder.build() is called immediately and its result is passed to #newVersion(String).

When the Consumer completes, String.Builder.build() is called immediately and its result is passed to #newVersion(String).

@see #newVersion(String)
"deprecated" : false,
"documentation" : "<p>The new service software version if one is available.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethod" : "#newVersion",
"fluentSetterMethod" : "newVersion",
"getterDocumentation" : "<p>The new service software version if one is available.</p>
This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.Builder().
When the Consumer completes, String.Builder.build() is called immediately and its result is passed to #newVersion(String).

@see #newVersion(String)
"returnType" : "String",
"documentation" : null
],
"http" : {
  "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "NewVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "NewVersion",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "NewVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The new service software version if one is available.</p>
@param newVersion
The new service software version if one is available.
"setterMethodName" : "setNewVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "newVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "newVersion",
  "variableType" : "String",
  "documentation" : "<p>The new service software version if one is available.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {"beanStyleGetterMethodName" : "getUpdateAvailable", "setterMethodName" : "setNewVersion", "setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "newVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "newVersion",
  "variableType" : "String",
  "documentation" : "<p>The new service software version if one is available.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
".beanStyleSetterMethodName" : "setUpdateAvailable",
"c2jName" : "UpdateAvailable",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version. </p>
"<p>@param updateAvailable a consumer that will call methods on <code>Boolean.Builder</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see #updateAvailable(Boolean)",
"deprecated" : false,
"documentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version.
<p></p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "updateAvailable",
"fluentSetterDocumentation" : "<p><code>True</code> if you are able to update your service software version. <code>False</code> if you are not able to update your service software version.
<p>@param updateAvailable a consumer that will call methods on <code>Boolean.Builder</code>.
@return Returns a reference to this object so that method calls can be chained together.
@see #updateAvailable(Boolean)",
"fluentSetterMethodName" : "updateAvailable",
"getterDocumentation" : "<p><code>True</code> if you are able to update you service software version. <code>False</code> if you are not able to update your service software version.
<p></p>
"getterModel" : {
  "returnType" : "Boolean",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpdateAvailable",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpdateAvailable",
  "uri" : false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "UpdateAvailable",
"sensitive": false,
"setterDocumentation": 
  "<p><code>True</code> if you are able to update you service software version. 
  <code>False</code> if you are not able to update your service software version. 
  </p>
  @param updateAvailable True if you are able to update you service software version. 
  False",
"setterMethodName": "setUpdateAvailable",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "updateAvailable",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "updateAvailable",
  "variableType": "Boolean",
  "documentation": 
    "<p><code>True</code> if you are able to update you service software version. 
    <code>False</code> if you are not able to update your service software version.
    </p>
    @param cancellable a consumer that will call methods on 
    <code>Boolean.Builder</code>.
    @link #cancellable(Boolean)"
},
"xmlNameSpaceUri": null,
"beanStyleGetterMethodName": "getCancellable",
"beanStyleSetterMethodName": "setCancellable",
"c2jName": "Cancellable",
"c2jShape": "Boolean",
"defaultConsumerFluentSetterDocumentation": 
  "<p><code>True</code> if you are able to cancel your service software version update. 
  <code>False</code> if you are not able to cancel your service software version.
  </p>
This is a convenience that creates an instance of the 
{@link Boolean.Builder} avoiding the need to create one manually via 
{@link Boolean.Builder}. 
When the {@link Consumer} completes, 
{@link Boolean.Builder#build()} is called immediately and its result is passed to 
{@link #cancellable(Boolean)}.

@deprecated" false,
"documentation": 
  "<p><code>True</code> if you are able to cancel your service software version update.

@link #cancellable(Boolean)"
True if you are able to cancel your service software version update. False, 
setterMethodName" : "setCancellable",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "cancellable",
  "variableType" : "Boolean",
  "documentation" : "<p><code>True</code> if you are able to cancel your service software version update. 
<code>False</code> if you are not able to cancel your service software version. </p>",
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "Boolean",
    "variableName" : "cancellable",
    "variableType" : "Boolean",
    "documentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #updateStatusAsString(String)}. In param updateStatus a consumer that will call methods on {@link String.Builder} @return Returns a reference to this object so that method calls can be chained together. @see #updateStatus(String)",
    "deprecated" : false,
    "documentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.",
QUALITY:"FLUENT","endpointDiscoveryId" : false,
"enumType" : "DeploymentStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "updateStatus",
"fluentEnumSetterMethodName" : "updateStatus",
"fluentGetterMethodName" : "updateStatusAsString",
"fluentSetterDocumentation" : "The status of your service software update. This field can take the following values: <code>ELIGIBLE</code>, <code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and <code>NOT_ELIGIBLE</code>.",
QUALITY:"FLUENT","}
The status of your service software update. This field can take the following values: `ELIGIBLE`, `PENDING_UPDATE`, `IN_PROGRESS`, `COMPLETED`, and `NOT_ELIGIBLE`.

```
public enum UpdateStatus {
    ELIGIBLE, PENDING_UPDATE, IN_PROGRESS, COMPLETED, NOT_ELIGIBLE
}
```

If the service returns an enum value that is not available in the current SDK version, `updateStatus` will return `DeploymentStatus#UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `DeploymentStatusAsString`.

```
public DeploymentStatus updateStatus()
```

Returns a reference to this object so that method calls can be chained together.

```
@see DeploymentStatus
```

```
public @Nullable DeploymentStatus updateStatus(String updateStatus)
```

@see DeploymentStatus

```
public static UpdateStatus fromValue(String value)
```

Returns the enum constant of this type with the specified name. Returns `null` if this type has no constant with the specified name. If no constant exists with the specified name, it will create a new enum constant (of type `UpdateStatus`) and return the corresponding enum constant.

```
public static UpdateStatus forName(String name)
```

Returns an enum constant of this type with the specified name. Returns `null` if this type has no constant with the specified name.

```
public static Collection<UpdateStatus> values()
```

Returns a set containing all the enum constants of this type that are declared public.

```
public int hashCode()
```

Returns the hash code value for this object.

```
public static boolean equals(Object other)
```

Returns `true` if `obj` is an instance of this class and its `updateStatus` is equal to this object.

```
public static boolean equalsIgnoreCase(String value)
```

Returns `true` if `value` is an instance of this class and its `updateStatus` is equal to this object.

```
public static boolean equals(Object o, String value)
```

Returns `true` if `o` and `value` are both instances of this class and their `updateStatus` is equal.

```
public static boolean equalsIgnoreCase(Object o, String value)
```

Returns `true` if `o` and `value` are both instances of this class and their `updateStatus` is equal.

```
public static String toString()
```

Returns the fully qualified class name of this enum type.
your service software update. This field can take the following values: <code>ELIGIBLE</code>,
<code>PENDING_UPDATE</code>, <code>IN_PROGRESS</code>, <code>COMPLETED</code>, and
<code>NOT_ELIGIBLE</code>.\n@see DeploymentStatus",
"setterMethodName" : "setUpdateStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "updateStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getDescription",
"beanStyleSetterMethodName" : "setDescription",
"c2jName" : "Description",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "\nThe description of the 
<code>UpdateStatus</code>.\nThis is a convenience that creates an instance of the { @link String.Builder} 
avoiding the need to create one manually via { @link String#builder()}\nWhen the { @link Consumer} completes, 
{ @link String.Builder#build()} is called immediately and its result is passed to { @link 
#description(String)}.\n@param description a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #description(String)",
"deprecated" : false,
"documentation" : "\nThe description of the <code>UpdateStatus</code>.\n",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "description",
"fluentSetterDocumentation" : "\nThe description of the <code>UpdateStatus</code>.\n"\n@param description The description of the <code>UpdateStatus</code>.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "setDescription",
"setterDocumentation" : "<p>The description of the <code>UpdateStatus</code>.</p>
@param description The description of the <code>UpdateStatus</code>.",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "description",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String"}
"variableName" : "description",
"variableType" : "String",
"documentation" : "<p>The description of the <code>UpdateStatus</code>.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null}
}

"beanStyleGetterMethodName" : "getAutomatedUpdateDate",
"beanStyleSetterMethodName" : "setAutomatedUpdateDate",
"c2jName" : "AutomatedUpdateDate",
"c2jShape" : "DeploymentCloseDateTimeStamp",
"defaultConsumerFluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p><p>This is a convenience that creates an instance of the [@link Instant.Builder] avoiding the need to create one manually via [@link Instant#builder()]. When the [@link Consumer] completes, [@link Instant.Builder#build()] is called immediately and its result is passed to [@link automatedUpdateDate(Instant)]. @param automatedUpdateDate a consumer that will call methods on [@link Instant.Builder] @return Returns a reference to this object so that method calls can be chained together. @see #automatedUpdateDate(Instant)",
"deprecated" : false,
"documentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedUpdateDate",
"fluentSetterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p><p>After this date, we automatically update your service software.</p>
@see #automatedUpdateDate(Instant)",
"getterDocumentation" : "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>
@see #automatedUpdateDate(Instant)",
"getterModel" : {
"returnType" : "java.time.Instant",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "AutomatedUpdateDate",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "AutomatedUpdateDate",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INSTANT",
"name": "AutomatedUpdateDate",
"sensitive": false,
"setterDocumentation": "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>\n@param automatedUpdateDate Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.",
"setterMethodName": "setAutomatedUpdateDate",
"setterModel": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "automatedUpdateDate",
  "variableType": "java.time.Instant",
  "documentation": null,
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.time.Instant",
  "variableName": "automatedUpdateDate",
  "variableType": "java.time.Instant",
  "documentation": "<p>Timestamp, in Epoch time, until which you can manually request a service software update. After this date, we automatically update your service software.</p>",
  "simpleType": "Instant",
  "variableSetterType": "java.time.Instant"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "ServiceSoftwareOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"wrapper" : false
},
"SnapshotOptions" : {
  "c2jName" : "SnapshotOptions",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getAutomatedSnapshotStartHour",
    "beanStyleSetterMethodName" : "setAutomatedSnapshotStartHour",
    "c2jName" : "AutomatedSnapshotStartHour",
    "c2jShape" : "IntegerClass",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes
a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.

This is a convenience that creates an instance of the [Integer.Builder](https://example.com) avoiding the need to create one manually via {Integer.Builder#builder()}. When the [[Consumer](https://example.com) completes, [Integer.Builder#build()](https://example.com) is called immediately and its result is passed to [automatedSnapshotStartHour(Integer)](https://example.com).<ref>

@code
@link Integer.Builder#build()
par<br>
automatedSnapshotStartHour
return
Ends
with
the
object's
state
as
if
a
daily
automated
snapshot
had
been
scheduled.

@return
A
reference
to
this
object,
such
that
method
calls
may
be
chained

@see
automatedSnapshotStartHour(Integer)
</ref>

`deprecated` : false,

`documentation` : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.

When the [[Consumer](https://example.com) completes, [Integer.Builder#build()](https://example.com) is called immediately and its result is passed to [automatedSnapshotStartHour(Integer)](https://example.com).<ref>

@code
@link Integer.Builder#build()
par<br>
automatedSnapshotStartHour
return
Ends
with
the
object's
state
as
if
a
daily
automated
snapshot
had
been
scheduled.

@return
A
reference
to
this
object,
such
that
method
calls
may
be
chained

@see
automatedSnapshotStartHour(Integer)
</ref>"},

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "automatedSnapshotStartHour",

"fluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.

When the [[Consumer](https://example.com) completes, [Integer.Builder#build()](https://example.com) is called immediately and its result is passed to [automatedSnapshotStartHour(Integer)](https://example.com).<ref>

@code
@link Integer.Builder#build()
par<br>
automatedSnapshotStartHour
return
Ends
with
the
object's
state
as
if
a
daily
automated
snapshot
had
been
scheduled.

@return
A
reference
to
this
object,
such
that
method
calls
may
be
chained

@see
automatedSnapshotStartHour(Integer)
</ref>"",

"getterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.

When the [[Consumer](https://example.com) completes, [Integer.Builder#build()](https://example.com) is called immediately and its result is passed to [automatedSnapshotStartHour(Integer)](https://example.com).<ref>

@code
@link Integer.Builder#build()
par<br>
automatedSnapshotStartHour
return
Ends
with
the
object's
state
as
if
a
daily
automated
snapshot
had
been
scheduled.

@return
A
reference
to
this
object,
such
that
method
calls
may
be
chained

@see
automatedSnapshotStartHour(Integer)
</ref>"",

"getterModel" : {

"returnType" : "Integer",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "AutomatedSnapshotStartHour",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "AutomatedSnapshotStartHour",

"uri" : false
},

"idempotencyToken" : false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "INTEGER",
"name": "AutomatedSnapshotStartHour",
"sensitive": false,

"setterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.",

"setterMethodName": "setAutomatedSnapshotStartHour",
"setterModel": {
  "variableDeclarationType": "Integer",
  "variableName": "automatedSnapshotStartHour",
  "variableType": "Integer",
  "documentation": null,
  "simpleType": "Integer",
  "variableSetterType": "Integer"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Integer",
  "variableName": "automatedSnapshotStartHour",
  "variableType": "Integer",
  "documentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
"simpleType": "Integer",
"variableSetterType": "Integer"
},
"xmlNameSpaceUri": null
],
"membersAsMap": {
  "AutomatedSnapshotStartHour": {
    "beanStyleGetterMethodName": "getAutomatedSnapshotStartHour",
    "beanStyleSetterMethodName": "setAutomatedSnapshotStartHour",
    "c2jName": "AutomatedSnapshotStartHour",
    "c2jShape": "IntegerClass",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>

This is a convenience that creates an instance of the <code>Integer.Builder</code> avoiding the need to create one manually via <code>Integer#builder()</code>.

When the <code>Consumer</code> completes, <code>Integer.Builder#build()</code> is called immediately and its result is passed to <code>AutomatedSnapshotStartHour(Integer)</code>.

@param automatedSnapshotStartHour a consumer that will call methods on <code>Integer.Builder</code>
@return Returns a reference to this object so that method calls can be chained
"
@see #automatedSnapshotStartHour(Integer)

"deprecated" : false,
"documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedSnapshotStartHour",
"fluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.<p>}</p>

@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "automatedSnapshotStartHour",
"getterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
@return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.

"getterModel" : {
"returnType" : "Integer",
"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedSnapshotStartHour",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedSnapshotStartHour",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "AutomatedSnapshotStartHour",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>

@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.",
"setterMethodName" : "setAutomatedSnapshotStartHour",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null,

"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getAutomatedSnapshotStartHour",
  "beanStyleSetterMethodName" : "setAutomatedSnapshotStartHour",
  "c2jName" : "AutomatedSnapshotStartHour",
  "c2jShape" : "IntegerClass",
  "deprecated" : false,
  "documentation" : "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.
  "endpointDiscoveryId" : false,
  "enumType" : false,
  "variable" : {
    "variableDeclarationType" : "Integer",
    "variableName" : "automatedSnapshotStartHour",
    "variableType" : "Integer",
    "documentation" : "Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.
  }
}]

"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>

This is a convenience that creates an instance of the [@link Integer.Builder] avoiding the need to create one manually via [@link Integer#builder()].

When the [@link Consumer] completes, [@link Integer.Builder#build()] is called immediately and its result is passed to [@link #automatedSnapshotStartHour(Integer)].

@returns a consumer that will call methods on [@link Integer.Builder]

@see #automatedSnapshotStartHour\n
@throws Returns a reference to this object so that method calls can be chained together.

@see #automatedSnapshotStartHour\n
@deprecated" : false,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "automatedSnapshotStartHour",
"fluentSetterMethodName" : "automatedSnapshotStartHour",
"fluentSetterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \(<code>0</code>\) hours.</p>
@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \(<code>0</code>\) hours.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \(<code>0</code>\) hours.</p>
@return Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \(<code>0</code>\) hours.
"getterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AutomatedSnapshotStartHour",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AutomatedSnapshotStartHour",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INTEGER",
"name" : "AutomatedSnapshotStartHour",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \(<code>0</code>\) hours.</p>
@param automatedSnapshotStartHour Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is \(<code>0</code>\) hours.
@return Returns a reference to this object so that method calls can be chained together.",
"setterModel" : {
  "returnType" : "Integer",
  "documentation" : null
},
"timestampFormat" : null,
"timestampRangeStart" : null,
"timestampRangeStop" : null,
"uri" : null,
"version" : null,
"x-amz-target" : null,
"x-amzn-format" : null,
"x-amzn-protocol" : null,
"x-amzn-rpc" : null,
"x-amzn-timestamp" : null,
"x-amzn-url" : null,
of the specified Elasticsearch domain. Default value is <code>0</code> hours.

"setterMethodName" : "setAutomatedSnapshotStartHour",
"setterModel" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : null,
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Integer",
  "variableName" : "automatedSnapshotStartHour",
  "variableType" : "Integer",
  "documentation" : "<p>Specifies the time, in UTC format, when the service takes a daily automated snapshot of the specified Elasticsearch domain. Default value is <code>0</code> hours.</p>",
  "simpleType" : "Integer",
  "variableSetterType" : "Integer"
},
"xmlNameSpaceUri" : null
}],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "SnapshotOptions",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"wrapper" : false
},
"SnapshotOptionsStatus" : {
  "c2jName" : "SnapshotOptionsStatus",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Status of a daily automated snapshot.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {
"beanStyleGetterMethodName" : "getOptions",
"beanStyleSetterMethodName" : "setOptions",
"c2jName" : "Options",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain. This is a convenience that creates an instance of the { @link SnapshotOptions.Builder } avoiding the need to create one manually via { @link SnapshotOptions#builder() }. When the { @link Consumer } completes, { @link SnapshotOptions.Builder#build() } is called immediately and its result is passed to { @link #options(SnapshotOptions) }. @param options a consumer that will call methods on { @link SnapshotOptions.Builder } @return Returns a reference to this object so that method calls can be chained together. @see #options(SnapshotOptions) 
</p>",
"deprecated" : false,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "Specifies the daily snapshot options specified for the Elasticsearch domain. @param options Specifies the daily snapshot options specified for the Elasticsearch domain. @return Returns a reference to this object so that method calls can be chained together. 
</p>",
"getterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain. 
</p>",
"getterModel" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"enums" : null,
"http": {  
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "Options",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "Options",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Options",
"sensitive": false,
"setterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>\n@param options Specifies the daily snapshot options specified for the Elasticsearch domain.",
"setterMethodName": "setOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "options",
  "variableType": "SnapshotOptions",
  "documentation": null,
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "options",
  "variableType": "SnapshotOptions",
  "documentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null
Specifies the status of a daily automated snapshot.

This is a convenience that creates an instance of the `OptionStatus.Builder` avoiding the need to create one manually via `OptionStatus.builder()`. When the `Consumer` completes, `OptionStatus.Builder#build()` is called immediately and its result is passed to `status(OptionStatus)`.

```
public static void specifiesDailyAutomatedSnapshotStatus(OptionStatus status) {
    // Consumer logic...
}
```

### Parameters
- **status**: a consumer that will call methods on `OptionStatus.Builder`.

### Returns
A reference to this object so that method calls can be chained together.

```java
public static void specifiesDailyAutomatedSnapshotStatus(OptionStatus status) {
    // Consumer logic...
    OptionStatus.Builder builder = OptionStatus.builder(); // Convenience method
    builder.status(status);
    OptionStatus result = builder.build();
}
```

This method is a convenience that avoids the need to create an instance of `OptionStatus` manually.
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Status",
"sensitive": false,
"setterDocumentation": "<p>Specifies the status of a daily automated snapshot.</p>
@param status Specifies the status of a daily automated snapshot."
"setterMethodName": "setStatus",
"setterModel": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": null,
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p>Specifies the status of a daily automated snapshot.</p>
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}],
"membersAsMap": {
  "Options": {
    "beanStyleGetterMethodName": "getOptions",
    "beanStyleSetterMethodName": "setOptions",
    "c2jName": "Options",
    "c2jShape": "SnapshotOptions",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>"
  }
},
"deprecated": false,
"documentation": "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>"
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@<p@param name="options"> Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@return Specifies the daily snapshot options specified for the Elasticsearch domain.",
"getterModel" : {
"returnType" : "SnapshotOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Options",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Options",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.\n</param> Specifies the daily snapshot options specified for the Elasticsearch domain.\n\n@return Specifies the daily snapshot options specified for the Elasticsearch domain.\n\n@\n@param name="options"> Specifies the daily snapshot options specified for the Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "options",
"variableType" : "SnapshotOptions",
"variableValue" : "options"
}
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "options",
  "variableType" : "SnapshotOptions",
  "documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
This is a convenience that creates an instance of the [{@link OptionStatus.Builder}] avoiding the need to create one manually via [{@link OptionStatus.Builder#builder()}].
When the [{@link Consumer}] completes, [{@link OptionStatus.Builder#build()}] is called immediately and its result is passed to [{@link #status(OptionStatus)}].
@param status a consumer that will call methods on [{@link OptionStatus.Builder}]
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@param status Specifies the status of a daily automated snapshot.
@return Returns a reference to this object so that method calls can be chained together.
@see #status(OptionStatus)",
  "fluentSetterMethodName" : "status",
  "getterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>
@return Specifies the status of a daily automated snapshot.
@see #status(OptionStatus)",
  "getterModel" : {
    "returnType" : "OptionStatus",
    "documentation" : null
  }
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Status",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Status",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>@param status Specifies the status of a daily automated snapshot.",
"setterMethodName" : "setStatus",
"setterModel" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : null,
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "OptionStatus",
    "variableName" : "status",
    "variableType" : "OptionStatus",
    "documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
    "simpleType" : "OptionStatus",
    "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
"nonStreamingMembers" : [ 
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "SnapshotOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}. When the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to {@link #options(SnapshotOptions)}.

When the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to {@link #options(SnapshotOptions)}.

@see #options(SnapshotOptions)",
"deprecated" : false,
"documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.
@return Specifies the daily snapshot options specified for the Elasticsearch domain.",
"getterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>

@see #options(SnapshotOptions)",
"getterModel" : {
    "returnType" : "SnapshotOptions",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Options",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Options",
    "uri" : false
"setterDocumentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
@param options Specifies the daily snapshot options specified for the Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "options",
"variableType" : "SnapshotOptions",
"documentation" : null,
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "SnapshotOptions",
"variableName" : "options",
"variableType" : "SnapshotOptions",
"documentation" : "<p>Specifies the daily snapshot options specified for the Elasticsearch domain.</p>
"simpleType" : "SnapshotOptions",
"variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getStatus",
"beanStyleSetterMethodName" : "setStatus",
"c2jName" : "Status",
"c2jShape" : "OptionStatus",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the status of a daily automated snapshot.</p>

This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()}} is called immediately and its result is passed to {@link OptionStatus#status(OptionStatus)}@param status a consumer that will call methods on {@link OptionStatus.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #status(OptionStatus)",
"deprecated" : false,
"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterMethodName" : null,
"getterDocumentation" : "Specifies the status of a daily automated snapshot.
@param status Specifies the status of a daily automated snapshot.
@return Returns a reference to this object so that method calls can be chained together.",
"getterMethodName" : "status",
"getterModel" : {
"returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "Specifies the status of a daily automated snapshot.
@param status Specifies the status of a daily automated snapshot.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status"}
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
}
,"simple" : false,
"timestampFormat" : null,
"variable" : 
{  
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : "<p>Specifies the status of a daily automated snapshot.</p>",
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "Options", "Status" ],
"shapeName" : "SnapshotOptionsStatus",
"simpleMethod" : false,
"unmarshaller" : 
{  
"flattened" : false,
"resultWrapper" : null
},
"variable" : 
{  
"variableDeclarationType" : "SnapshotOptionsStatus",
"variableName" : "snapshotOptionsStatus",
"variableType" : "SnapshotOptionsStatus",
"documentation" : null,
"simpleType" : "SnapshotOptionsStatus",
"variableSetterType" : "SnapshotOptionsStatus"
},
"wrapper" : false
},
"StartElasticsearchServiceSoftwareUpdateRequest" : 
{  
"c2jName" : "StartElasticsearchServiceSoftwareUpdateRequest",
"customization" : 
{  
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Container for the parameters to the
<code><a>StartElasticsearchServiceSoftwareUpdate</a></code> operation. Specifies the name of the Elasticsearch
domain that you wish to schedule a service software update on.<p>
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "StartElasticsearchServiceSoftwareUpdate",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/serviceSoftwareUpdate/start",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding
the need to create one manually via {@link String#builder()}. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link Parameter#value] a consumer that will call methods on [@link String.Builder].

@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "getDomainName",
  "fluentSetterMethodName" : "setDomainName",
  "fluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@see #domainName(String)
@return Returns a reference to this object so that method calls can be chained together.
@link String.Builder#build()"
  "getterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@link String.Builder@see #domainName(String)
@return Returns a reference to this object so that method calls can be chained together.
@link String.Builder#build()
@see #domainName(String)
@link String.Builder#build()
@link String.Builder#build()
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"documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@param domainName The name of the domain that you want to update to the latest service software.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the domain that you want to update to the latest service software.</p>",
  "simpleType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
"DomainName" : {
"beanStyleGetterMethodName" : "getDomainName",
"beanStyleSetterMethodName" : "setDomainName",
"c2jName" : "DomainName",
"c2jShape" : "DomainName",
"defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].
@returns domainName A consumer that will call methods on [String.Builder] at once.
@see #domainName(String)",
"deprecated" : false,
"documentation" : "The name of the domain that you want to update to the latest service software.",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "The name of the domain that you want to update to the latest service software.
@returns The name of the domain that you want to update to the latest service software.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "The name of the domain that you want to update to the latest service software.
@returns The name of the domain that you want to update to the latest service software.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
@param domainName The name of the domain that you want to update to the latest service software.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "<p>The name of the domain that you want to update to the latest service software.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
}
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #domainName(String)}.\n@param domainName a consumer that will call methods on {@link String.Builder}\n@return Returns a reference to this
object so that method calls can be chained together.

@see #domainName(String)

"deprecated" : false,
"documentation" : "<p>The name of the domain that you want to update to the latest service software.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>

@return The name of the domain that you want to update to the latest service software.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "<p>The name of the domain that you want to update to the latest service software.</p>

@return The name of the domain that you want to update to the latest service software.";
software.

setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the domain that you want to update to the latest service software.<p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : [ "DomainName" ],
"shapeName" : "StartElasticsearchServiceSoftwareUpdateRequest",
"simpleMethod" : false,
"unmarshaller" : null,
"variable" : {
  "variableDeclarationType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "variableName" : "startElasticsearchServiceSoftwareUpdateRequest",
  "variableType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "documentation" : null,
  "simpleType" : "StartElasticsearchServiceSoftwareUpdateRequest",
  "variableSetterType" : "StartElasticsearchServiceSoftwareUpdateRequest"
},
"wrapper" : false
],
"StartElasticsearchServiceSoftwareUpdateResponse" : {
  "c2jName" : "StartElasticsearchServiceSoftwareUpdateResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
"documentation" : "The result of a \<code>StartElasticsearchServiceSoftwareUpdate</code> operation. Contains the status of the update.";
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ { "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
"beanStyleSetterMethodName" : "setServiceSoftwareOptions",
"c2jName" : "ServiceSoftwareOptions",
"c2jShape" : "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation" : "The current status of the Elasticsearch service software update.
This is a convenience that creates an instance of the \{ @link ServiceSoftwareOptions.Builder \} avoiding the need to create one manually via \{ @link ServiceSoftwareOptions#builder() \}. When the \{ @link Consumer \} completes, \{ @link ServiceSoftwareOptions.Builder#build() \} is called immediately and its result is passed to \{ @link #serviceSoftwareOptions(ServiceSoftwareOptions) \}.\n@param serviceSoftwareOptions A consumer that will call methods on \{ @link ServiceSoftwareOptions.Builder \}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)"
"deprecated" : false,
"documentation" : "The current status of the Elasticsearch service software update.";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch service software update.
\n@param serviceSoftwareOptions The current status of the Elasticsearch service software update.\n@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "The current status of the Elasticsearch service software update.\n@return The current status of the Elasticsearch service software update."
"getterModel" : {
"returnType" : "ServiceSoftwareOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "ServiceSoftwareOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "ServiceSoftwareOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "<p>The current status of the Elasticsearch service software update.</p>
@param
serviceSoftwareOptions The current status of the Elasticsearch service software update.",
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "<p>The current status of the Elasticsearch service software update.</p>",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
}
"membersAsMap" : {
  "ServiceSoftwareOptions" : [
"beanStyleGetterMethodName": "getServiceSoftwareOptions",
"beanStyleSetterMethodName": "setServiceSoftwareOptions",
"c2jName": "ServiceSoftwareOptions",
"c2jShape": "ServiceSoftwareOptions",
"defaultConsumerFluentSetterDocumentation": "The current status of the Elasticsearch service software update. This is a convenience that creates an instance of the ServiceSoftwareOptions.Builder avoiding the need to create one manually via ServiceSoftwareOptions#builder().
When the Consumer completes, ServiceSoftwareOptions.Builder#build() is called immediately and its result is passed to ServiceSoftwareOptions a consumer that will call methods on ServiceSoftwareOptions#build().
@return Returns a reference to this object so that method calls can be chained together.
@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
"deprecated": false,
"documentation": "The current status of the Elasticsearch service software update."
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "serviceSoftwareOptions",
"fluentSetterDocumentation": "The current status of the Elasticsearch service software update."
"fluentSetterMethodName": "serviceSoftwareOptions",
"getterDocumentation": "The current status of the Elasticsearch service software update."
"getterModel": {

"returnType": "ServiceSoftwareOptions",
"documentation": null
},
"http": {

"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ServiceSoftwareOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ServiceSoftwareOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;\n@param serviceSoftwareOptions The current status of the Elasticsearch service software update.&lt;/p&gt;",
"setterMethodName" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : null,
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions",
  "documentation" : "&lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;",
  "simpleType" : "ServiceSoftwareOptions",
  "variableSetterType" : "ServiceSoftwareOptions"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getServiceSoftwareOptions",
  "beanStyleSetterMethodName" : "setServiceSoftwareOptions",
  "c2jName" : "ServiceSoftwareOptions",
  "c2jShape" : "ServiceSoftwareOptions",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;\nThis is a convenience that creates an instance of the [@link ServiceSoftwareOptions.Builder] avoiding the need to create one manually via [@link ServiceSoftwareOptions#builder()].\n\nWhen the [@link Consumer] completes, [@link ServiceSoftwareOptions.Builder#build()] is called immediately and its result is passed to [@link #serviceSoftwareOptions(ServiceSoftwareOptions)]\n@param serviceSoftwareOptions a consumer that will call methods on [@link ServiceSoftwareOptions.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #serviceSoftwareOptions(ServiceSoftwareOptions)",
  "deprecated" : false,
  "documentation" : "&lt;p&gt;The current status of the Elasticsearch service software update.&lt;/p&gt;",
  "endpointDiscoveryId" : false,
  "enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "serviceSoftwareOptions",
"fluentSetterDocumentation" : "The current status of the Elasticsearch service software update.\n@param serviceSoftwareOptions The current status of the Elasticsearch service software update.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "serviceSoftwareOptions",
"getterDocumentation" : "The current status of the Elasticsearch service software update.\n@return The current status of the Elasticsearch service software update.",
"getterModel" : {
  "returnType" : "ServiceSoftwareOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ServiceSoftwareOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ServiceSoftwareOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ServiceSoftwareOptions",
"sensitive" : false,
"setterDocumentation" : "The current status of the Elasticsearch service software update.\n@param serviceSoftwareOptions The current status of the Elasticsearch service software update.",
"setterMethod_Name" : "setServiceSoftwareOptions",
"setterModel" : {
  "variableDeclarationType" : "ServiceSoftwareOptions",
  "variableName" : "serviceSoftwareOptions",
  "variableType" : "ServiceSoftwareOptions"
"simpleType": "ServiceSoftwareOptions",
"variableSetterType": "ServiceSoftwareOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ServiceSoftwareOptions",
  "variableName": "serviceSoftwareOptions",
  "variableType": "ServiceSoftwareOptions",
  "documentation": "<p>The current status of the Elasticsearch service software update.</p>",
  "simpleType": "ServiceSoftwareOptions",
  "variableSetterType": "ServiceSoftwareOptions"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "StartElasticsearchServiceSoftwareUpdateResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "StartElasticsearchServiceSoftwareUpdateResponse",
  "variableName": "startElasticsearchServiceSoftwareUpdateResponse",
  "variableType": "StartElasticsearchServiceSoftwareUpdateResponse",
  "documentation": null,
  "simpleType": "StartElasticsearchServiceSoftwareUpdateResponse",
  "variableSetterType": "StartElasticsearchServiceSoftwareUpdateResponse"
},
"wrapper": false
},
"StorageType": {
  "c2jName": "StorageType",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>StorageTypes represents the list of storage related types and their attributes that are available for given InstanceType. </p>",
  "endpointDiscovery": null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ]
  "beanStyleGetterMethodName" : "getStorageTypeName",
  "beanStyleSetterMethodName" : "setStorageTypeName",
  "c2jName" : "StorageTypeName",
  "c2jShape" : "StorageTypeName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.
\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #storageTypeName(String)].\n\n@see #storageTypeName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n\nThis new value for the StorageTypeName property for this object.
\n@see #storageTypeName(String)",
  "fluentSetterMethodName" : "storageTypeName",
  "getterDocumentation" : "Returns a reference to this object so that method calls can be chained together.\n\n@see #storageTypeName(String)",
  "getModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.\n\n@param storageTypeName The new value for the StorageTypeName property for this object."

"setterMethodName" : "setStorageTypeName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "storageTypeName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "storageTypeName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getStorageSubTypeName",
"beanStyleSetterMethodName" : "setStorageSubTypeName",
"c2jName" : "StorageSubTypeName",
"c2jShape" : "StorageSubTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.builder()`.

When the `Consumer` completes, `String.Builder.build()` is called immediately and its result is passed to `StringStorageSubTypeName(String)`.

```java
@see StringStorageSubTypeName(String)
```

```
@link String.Builder

This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.builder()`.

When the `Consumer` completes, `String.Builder.build()` is called immediately and its result is passed to `StringStorageSubTypeName(String)`.

```java
@see StringStorageSubTypeName(String)
```
"marshallingType": "STRING",
"name": "StorageSubTypeName",
"sensitive": false,
"setterDocumentation": "Sets the value of the StorageSubTypeName property for this object.

@\n@param storageSubTypeName The new value for the StorageSubTypeName property for this object.",
"setterMethodName": "setStorageSubTypeName",
"setterModel": {
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  "variableName": "storageSubTypeName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
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  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
{
  "beanStyleGetterMethodName": "getStorageTypeLimits",
  "beanStyleSetterMethodName": "setStorageTypeLimits",
  "c2jName": "StorageTypeLimits",
  "c2jShape": "StorageTypeLimitList",
  "defaultConsumerFluentSetterDocumentation": "List of limits that are applicable for given storage type. This is a convenience that creates an instance of the List<StorageTypeLimit>.Builder avoiding the need to create one manually via List<StorageTypeLimit>#builder().\nWhen the Consumer completes, List<StorageTypeLimit>.Builder#build() is called immediately and its result is passed to List<StorageTypeLimit>\n\n@\n@param storageTypeLimits a consumer that will call methods on List<StorageTypeLimit>.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #storageTypeLimits(List<StorageTypeLimit>)",
  "deprecated": false,
  "documentation": "List of limits that are applicable for given storage type.\n",
  "endpointDiscoveryId": false,
  "enumType": null,
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  "eventPayload": false,
  "fluentEnumGetterMethodName": null,
  "fluentEnumSetterMethodName": null,
  "fluentGetterMethodName": "storageTypeLimits",
  "fluentSetterDocumentation": "List of limits that are applicable for given storage type.\n\n@\n@param storageTypeLimits List of limits that are applicable for given storage type\n\n@return Returns a reference to this
object so that method calls can be chained together.

"getterDocumentation" : ":List of limits that are applicable for given storage type. Attempts to modify the collection returned by this method will result in an UnsupportedOperationExcepion.

@return List of limits that are applicable for given storage type.

"getterModel" : {
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  "documentation" : null
},

"http" : {
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  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageTypeLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypeLimits",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,

"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "StorageTypeLimit",
    "defaultConsumerFluentSetterDocumentation" : ":Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link StorageTypeLimit.Builder} avoiding the need to create one manually via {@link StorageTypeLimit#builder()}. When the {@link Consumer} completes, @link StorageTypeLimit.Builder#build() is called immediately and its result is passed to @link StorageTypeLimit.Builder\#param member a consumer that will call methods on @link StorageTypeLimit.Builder\#return Returns a reference to this object so that method calls can be chained together.@see #member(StorageTypeLimit)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
  }
}
"eventHeader": false,
"eventPayload": false,
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"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.

@return The value of the Member property for this object.
getterModel": {
"returnType": "StorageTypeLimit",
"documentation": null
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"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
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"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
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"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
setterMethodName": "setMember",
"setterModel": {
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"variableName": "member",
"variableType": "StorageTypeLimit"}
"documentation": null,
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"variableSetterType": "StorageTypeLimit"
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"simple": false,
"timestampFormat": null,
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  "variableDeclarationType": "StorageTypeLimit",
  "variableName": "member",
  "variableType": "StorageTypeLimit",
  "documentation": "",
  "simpleType": "StorageTypeLimit",
  "variableSetterType": "StorageTypeLimit"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "StorageTypeLimit",
"map": false,
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"memberAdditionalUnmarshallingPath": null,
"simple": false,
"simpleType": "StorageTypeLimit",
"templateImplType": "java.util.ArrayList<StorageTypeLimit>",
"templateType": "java.util.List<StorageTypeLimit>",
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StorageTypeLimits",
"sensitive": false,
"setterDocumentation": "<p>List of limits that are applicable for given storage type. </p>
\n@param storageTypeLimits List of limits that are applicable for given storage type.",
"setterMethodName": "setStorageTypeLimits",
"setterModel": {
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  "variableName": "storageTypeLimits",
  "variableType": "java.util.List<StorageTypeLimit>",
  "documentation": null,
  "simpleType": "List<StorageTypeLimit>",
  "variableSetterType": "java.util.Collection<StorageTypeLimit>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<StorageTypeLimit>",
  "variableName": "storageTypeLimits",
  "variableType": "java.util.List<StorageTypeLimit>"
"documentation" : "<p>List of limits that are applicable for given storage type. </p>",
"simpleType" : "List<StorageTypeLimit>",
"variableSetterType" : "java.util.Collection<StorageTypeLimit>",
"xmlNameSpaceUri" : null
},

"membersAsMap" : {
  "StorageSubTypeName" : {
    "beanStyleGetterMethodName" : "getStorageSubTypeName",
    "beanStyleSetterMethodName" : "setStorageSubTypeName",
    "c2jName" : "StorageSubTypeName",
    "c2jShape" : "StorageSubTypeName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}.\n\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link String#builder(String)}.\n\n@param storageSubTypeName a consumer that will call methods on {@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #storageSubTypeName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "storageSubTypeName",
    "fluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.\n\n@param storageSubTypeName The new value for the StorageSubTypeName property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #storageSubTypeName(String)",
    "getterDocumentation" : "Returns the value of the StorageSubTypeName property for this object.\n\nThe value of the StorageSubTypeName property for this object.\n\n@return",
    "getterModel" : {
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      "documentation" : null
    },
    "http" : {
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      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",}
"marshallLocationName" : "StorageSubTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageSubTypeName",
"uri" : false
],
"idempotencyToken" : false,
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"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageSubTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageSubTypeName property for this object. \n\n@par
storageSubTypeName The new value for the StorageSubTypeName property for this object.",
"setterMethodName" : "setStorageSubTypeName",
"setterModel" : {
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    "variableName" : "storageSubTypeName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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    "variableName" : "storageSubTypeName",
    "variableType" : "String",
    "documentation" : "",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"StorageTypeLimits" : [
  "beanStyleGetterMethodName" : "getStorageTypeLimits",
  "beanStyleSetterMethodName" : "setStorageTypeLimits",
  "c2jName" : "StorageTypeLimits",
  "c2jShape" : "StorageTypeLimitList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type.
  </p><p>This is a convenience that creates an instance of the {\link List<StorageTypeLimit>.Builder} avoiding the
  need to create one manually via {\link List<StorageTypeLimit>#builder()}. When the {\link Consumer}
  completes, {\link List<StorageTypeLimit>.Builder#build()} is called immediately and its result is passed to
@link #storageTypeLimits(List<StorageTypeLimit>),
@param storageTypeLimits a consumer that will call methods on ( @link List<StorageTypeLimit>.Builder)
@returns Returns a reference to this object so that method calls can be chained together.
@see #storageTypeLimits(List<StorageTypeLimit>)

"deprecated" : false,
"documentation" : "List of limits that are applicable for given storage type. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeLimits",
"fluentSetterDocumentation" : "List of limits that are applicable for given storage type. "</p>"
@returns Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "storageTypeLimits",
"getterDocumentation" : "List of limits that are applicable for given storage type. </p>"
@returns List of limits that are applicable for given storage type.
@returns List of limits that are applicable for given storage type.
@returns Returns a reference to this object so that method calls can be chained together.
"getterModel" : {
  "returnType" : "java.util.List<StorageTypeLimit>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageTypeLimits",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypeLimits",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",}
Sets the value of the Member property for this object. This is a convenience that creates an instance of the \{@link StorageTypeLimit.Builder} avoiding the need to create one manually via \{@link StorageTypeLimit#builder()}. When the \{@link Consumer} completes, \{@link StorageTypeLimit.Builder#build()} is called immediately and its result is passed to \{@link #member(StorageTypeLimit)\}. Returns a reference to this object so that method calls can be chained together.

@see #member(StorageTypeLimit)

@deprecated : false,
@documentation : "",
@endpointDiscoveryId : false,
@endpointDiscoveryId : null,
@endpointHeader : false,
@eventPayload : false,
@eventPayLoad : false,
@fluentEnumGetterMethodName : null,
@fluentEnumSetterMethodName : null,
@fluentGetterMethodName : "member",
@fluentSetterMethodName : "member",
@getterDocumentation : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.

@getterModel : {
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@documentation" : null
},
@http" : {
@additionalMarshallingPath" : null,
@additionalUnmarshallingPath" : null,
@flattened" : false,
@greedy" : false,
@header" : false,
@isPayload" : false,
@isStreaming" : false,
@location" : null,
@marshallLocation" : "PAYLOAD",
@marshallLocationName" : "member",
@queryString" : false,
@statusCode" : false,
@unmarshallLocationName" : "member",
@uri" : false
},
@idempotencyToken" : false,
@isBinary" : false,
@jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "StorageTypeLimit",
  "variableName" : "member",
  "variableType" : "StorageTypeLimit",
  "documentation" : null,
  "simpleType" : "StorageTypeLimit",
  "variableSetterType" : "StorageTypeLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "member",
  "variableType" : "StorageTypeLimit",
  "documentation" : "",
  "simpleType" : "StorageTypeLimit",
  "variableSetterType" : "StorageTypeLimit"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "StorageTypeLimit",
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"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageTypeLimit",
"templateImplType" : "java.util.ArrayList<StorageTypeLimit>",
"templateType" : "java.util.List<StorageTypeLimit>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypeLimits",
"sensitive" : false,
"setterDocumentation" : "List of limits that are applicable for given storage type.
@param storageTypeLimits List of limits that are applicable for given storage type."
,"setterMethodName" : "setStorageTypeLimits"
"setterModel" : {
  "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
  "variableName" : "storageTypeLimits",
  "variableType" : "java.util.List<StorageTypeLimit>",
  "documentation" : null,
  "simpleType" : "List<StorageTypeLimit>",
  "variableSetterType" : "java.util.Collection<StorageTypeLimit>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
  "variableName" : "storageTypeLimits",
  "variableType" : "java.util.List<StorageTypeLimit>",
  "documentation" : "List of limits that are applicable for given storage type. 

The new value for the StorageTypeName property for this object.
\n@\return Returns a reference to this object so that method calls can be chained together.
@see #storageTypeName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
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  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object. \n\n@\param storageTypeName a consumer that will call methods on \n\n@\see #storageTypeName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object. \n\n@\param storageTypeName The new value for the StorageTypeName property for this object. \n@\return Returns a reference to this object so that method calls can be chained together.
\n@fluentSetterMethod @storageTypeName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeName",
  "fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object. \n\n@\param storageTypeName The new value for the StorageTypeName property for this object. \n@\return Returns a reference to this object so that method calls can be chained together.
\n@fluentSetterMethod @storageTypeName(String)"}
"returnType" : "String",
"documentation" : null
},

"http" : {
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  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StorageTypeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StorageTypeName",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"sensitive" : false,

"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.

@param storageTypeName The new value for the StorageTypeName property for this object.",

"setterMethodName" : "setStorageTypeName",
"setterModel" : {
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  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,
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"variable" : {
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  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableSetterType" : "String",
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
"beanStyleGetterMethodName" : "getStorageTypeName",
"beanStyleSetterMethodName" : "setStorageTypeName",
"c2jName" : "StorageTypeName",
"c2jShape" : "StorageTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, the String.Builder#build() is called immediately and its result is passed to the StorageTypeName(String) method of the consumer that will call methods on the String.Builder. @return Returns a reference to this object so that method calls can be chained together. @see #storageTypeName(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "storageTypeName",
"fluentSetterDocumentation" : "Sets the value of the StorageTypeName property for this object.
@param storageTypeName The new value for the StorageTypeName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Returns the value of the StorageTypeName property for this object.
@return The value of the StorageTypeName property for this object.",
"gettersModel" : {
"returnType" : "String",
"documentation" : null
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
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"marshallLocationName" : "StorageTypeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeName",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
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"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "StorageTypeName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the StorageTypeName property for this object.\
@param storageTypeName The new value for the StorageTypeName property for this object.",
"setterMethodName" : "setStorageTypeName",
"setterModel" : {
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  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
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  "variableName" : "storageTypeName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
},
{ "beanStyleGetterMethodName" : "getStorageSubTypeName",
"beanStyleSetterMethodName" : "setStorageSubTypeName",
"c2jName" : "StorageSubTypeName",
"c2jShape" : "StorageSubTypeName",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the StorageSubTypeName property for this object.\nThis is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create one manually via [ @link String#builder()].\nWhen the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #storageSubTypeName(String)]\n@param storageSubTypeName a consumer that will call methods on [ @link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #storageSubTypeName(String)"},
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "storageSubTypeName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getStorageTypeLimits",
  "beanStyleSetterMethodName" : "setStorageTypeLimits",
  "c2jName" : "StorageTypeLimits",
  "c2jShape" : "StorageTypeLimitList",
  "defaultConsumerFluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type.
This is a convenience that creates an instance of the {@link List<StorageTypeLimit>.Builder} avoiding the need to create one manually via {@link List<StorageTypeLimit>#builder()}.\n\nWhen the {@link Consumer} completes, {@link List<StorageTypeLimit>.Builder#build()} is called immediately and its result is passed to {@link #storageTypeLimits(List<StorageTypeLimit>)}.\n@throws IllegalArgumentException If the consumer passes a null value.
@throws UnsupportedOperationException If the consumer attempts to modify the collection \n@see #storageTypeLimits(List<StorageTypeLimit>)",
  "deprecated" : false,
  "documentation" : "<p>List of limits that are applicable for given storage type. \</p>"
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "storageTypeLimits",
  "fluentSetterDocumentation" : "<p>List of limits that are applicable for given storage type. \</p>\n@throws IllegalArgumentException If the consumer passes a null value.
@throws UnsupportedOperationException If the consumer attempts to modify the collection \n@see #storageTypeLimits(List<StorageTypeLimit>)",
  "fluentSetterMethodName" : "storageTypeLimits",
  "getterDocumentation" : "<p>List of limits that are applicable for given storage type. \</p>\n@throws IllegalArgumentException If the consumer passes a null value.
@throws UnsupportedOperationException If the consumer attempts to modify the collection \n@see #storageTypeLimits(List<StorageTypeLimit>)",
  "getterModel" : 
}
"returnType" : "java.util.List<StorageTypeLimit>",
"documentation" : null,
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "StorageTypeLimits",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "StorageTypeLimits",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "StorageTypeLimit",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \(@link StorageTypeLimit.Builder\) avoiding the need to create one manually via \(@link StorageTypeLimit#builder()\). When the \(@link Consumer\) completes, \(@link StorageTypeLimit.Builder#build()\) is called immediately and its result is passed to \(@link #member(StorageTypeLimit)\). \(@param member\) a consumer that will call methods on \(@link StorageTypeLimit.Builder\)\n\n@see #member(StorageTypeLimit)",
"deprecated" : false,
"documentation" : "",
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@see #member(StorageTypeLimit)"
The new value for the Member property for this object.

@returns A reference to this object so that method calls can be chained together.
in fluentSetterMethodName" : "member",
getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.

ggetterModel" : {
"returnType" : "StorageTypeLimit",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@returns The new value for the Member property for this object.

setterMethodName" : "setMember",
setterModel" : {
"variableDeclarationType" : "StorageTypeLimit",
"variableName" : "member",
"variableType" : "StorageTypeLimit",
"documentation" : null,
"simpleType" : "StorageTypeLimit",
"variableSetterType" : "StorageTypeLimit"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "StorageTypeLimit",
    "variableName" : "member",
    "variableType" : "StorageTypeLimit",
    "documentation" : "",
    "simpleType" : "StorageTypeLimit",
    "variableSetterType" : "StorageTypeLimit"
  },
  "xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "StorageTypeLimit",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "StorageTypeLimit",
"templateImplType" : "java.util.ArrayList<StorageTypeLimit>",
"templateType" : "java.util.List<StorageTypeLimit>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StorageTypeLimits",
"敏感" : false,
"setterDocumentation" : "<p>List of limits that are applicable for given storage type. </p↩\n@p storageTypeLimits List of limits that are applicable for given storage type.",
"setterMethodName" : "setStorageTypeLimits",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
    "variableName" : "storageTypeLimits",
    "variableType" : "java.util.List<StorageTypeLimit>",
    "documentation" : null,
    "simpleType" : "List<StorageTypeLimit>",
    "variableSetterType" : "java.util.Collection<StorageTypeLimit>"
  },
  "simple" : false,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "java.util.List<StorageTypeLimit>",
    "variableName" : "storageTypeLimits",
    "variableType" : "java.util.List<StorageTypeLimit>",
    "documentation" : "<p>List of limits that are applicable for given storage type. </p>",
    "simpleType" : "List<StorageTypeLimit>",
    "variableSetterType" : "java.util.Collection<StorageTypeLimit>"
  },
  "xmlNameSpaceUri" : null
}
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "StorageType",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "StorageType",
"variableName": "storageType",
"variableType": "StorageType",
"documentation": null,
"simpleType": "StorageType",
"variableSetterType": "StorageType"
},
"wrapper": false
},
"StorageTypeLimit": {
"c2jName": "StorageTypeLimit",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "<p>Limits that are applicable for given storage type. </p>",
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": null,
"marshaller": null,
"members": [ {
"beanStyleGetterMethodName": "getLimitName",
"beanStyleSetterMethodName": "setLimitName",
"c2jName": "LimitName",
"c2jShape": "LimitName",
"defaultConsumerFluentSetterDocumentation": "<p>Name of storage limits that are applicable for given
storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li>
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li>
Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li>
Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

This is a convenience that creates an instance of the [{@link String.Builder} avoiding the need to create one manually via [{@link String#builder()}. When the [{@link Consumer} completes, ({@link String.Builder#echo(String)}) is called immediately and its result is passed to [{@link #limitName(String)}. @return Returns a reference to this object so that method calls can be chained together. @see #limitName(String)

@end documentation" : false,
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li>
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li>
Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li>
Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

@end documentation" : false,
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li>
Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li>
Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li>
Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. 
</ol>

@end documentation" : false,
If `<code><a>StorageType</a></code>` is ebs, following storage options are applicable:

- **MinimumVolumeSize**
  - Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**
  - Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**
  - Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**
  - Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

```javascript
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LimitName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LimitName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "LimitName",
"sensitive": false,
"setterDocumentation": "Name of storage limits that are applicable for given storage type. If `<code><a>StorageType</a></code>` is ebs, following storage options are applicable:

- **MinimumVolumeSize**
  - Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**
  - Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**
  - Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**
  - Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
```
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

**setterMethodName**: "setLimitName",
**setterModel**: {
  "variableDeclarationType": "String",
  "variableName": "limitName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "limitName",
  "variableType": "String",
  "documentation": "<p> Name of storage limits that are applicable for given storage type. If <code><a>StorageType</a></code> is ebs, following storage options are applicable <ol>
  <li>MinimumVolumeSize</li>
  Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
  <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
</ol>
</p>
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getLimitValues",
"beanStyleSetterMethodName": "setLimitValues",
"c2jName": "LimitValues",
"c2jShape": "LimitValueList",
"defaultConsumerFluentSetterDocumentation": "<p> Values for the <code><a>StorageTypeLimit$LimitName</a></code>. This is a convenience that creates an instance of the [List<String>].Builder avoiding the need to create one manually via [List<String>#builder()]. When the [List<String>].Builder#build() is called immediately and its result is passed to [List<LimitValues<List<String>>>].param limitValues a consumer that will call methods on [List<String>].Builder#@return Returns a reference to this object so that method calls can be chained together.@see #limitValues(List<String>)"
,"deprecated": false,
"documentation": "<p> Values for the <code><a>StorageTypeLimit$LimitName</a></code>. </p>
,"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": null,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
</p>
@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
@return

Attempts to modify the collection returned by this method will result in an
UnsupportedOperationException.

@return Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitValues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitValues",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "LimitValue",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object."}This is a convenience that creates an instance of the [ @link String#builder() ], When the [ @link Consumer ] completes, [ @link String.Builder#build() ] is called immediately and its result is passed to [ @link #member(String) ].
@param

Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@returns Returns a reference to this object so that method calls can be chained together.
",
"getterDocumentation" : "Returns the value of the Member property for this object.

@returns The value of the Member property for this object.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@returns The new value for the Member property for this object.
",
"setterMethodName" : "setMember",
"setterModel" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {

"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"敏感" : false,
"setterDocumentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .",
"setterMethodName" : "setLimitValues",
"setterModel" : {

"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {


"variableDeclarationType" : "java.util.List<String>",
"variableName" : "limitValues",
"variableType" : "java.util.List<String>",
"documentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> . </p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>
},
"xmlnsSpaceUri" : null
};

"membersAsMap" : {
  "LimitName" : {
"beanStyleGetterMethodName" : "getLimitName",
"beanStyleSetterMethodName" : "setLimitName",
"c2jName" : "LimitName",
"c2jShape" : "LimitName",
"defaultConsumerFluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. 

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #limitName(String)}.\n\n@see #limitName(String)",
"deprecated" : false,
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li> MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li> MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. 

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #limitName(String)}.\n\n@see #limitName(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li> MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. 

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #limitName(String)}.\n\n@see #limitName(String)",
"deprecated" : false,
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li> MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. 

This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #limitName(String)}.\n\n@see #limitName(String)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol>

```java
public String limitName;
```

Name of storage limits that are applicable for given storage type. If `<code>StorageType</code>` is ebs, following storage options are applicable:

- `<li>MinimumVolumeSize</li>` Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MaximumVolumeSize</li>` Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MaximumIops</li>` Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MinimumIops</li>` Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

### Returns

Returns a reference to this object so that method calls can be chained together.

```java
public String getLimitName();
```

**Example**

```java
public String limitName;
```

Name of storage limits that are applicable for given storage type. If `<code>StorageType</code>` is ebs, following storage options are applicable:

- `<li>MinimumVolumeSize</li>` Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MaximumVolumeSize</li>` Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MaximumIops</li>` Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MinimumIops</li>` Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

### Getter and Setter

```java
public void setLimitName(String limitName);
```

Sets the name of storage limits that are applicable for given storage type. If `<code>StorageType</code>` is ebs, following storage options are applicable:

- `<li>MinimumVolumeSize</li>` Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MaximumVolumeSize</li>` Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MaximumIops</li>` Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- `<li>MinimumIops</li>` Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "LimitName",
"sensitive" : false,

"setterDocumentation" : "}<p> Name of storage limits that are applicable for given storage type. If <code>
&lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt; &lt;p&gt;\n@param limitName Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt;",

"setterMethodName" : "setLimitName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "limitName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "limitName",
"variableType" : "String",
"documentation" : "}<p> Name of storage limits that are applicable for given storage type. If &lt;code&gt;
&lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt; &lt;p&gt;\n@param limitName Name of storage limits that are applicable for given storage type. If &lt;code&gt; &lt;a&gt;StorageType&lt;/a&gt; &lt;/code&gt; is ebs, following storage options are applicable &lt;ol&gt; &lt;li&gt;MinimumVolumeSize&lt;/li&gt; Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumVolumeSize&lt;/li&gt; Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MaximumIops&lt;/li&gt; Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;li&gt;MinimumIops&lt;/li&gt; Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. &lt;/ol&gt;",

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"LimitValues" : {
"beanStyleGetterMethodName" : "getLimitValues",

"beanStyleSetterMethodName": "setLimitValues",
"c2jName": "LimitValues",
"c2jShape": "LimitValueList",
"defaultConsumerFluentSetterDocumentation": "<p> Values for the <code>StorageTypeLimit$LimitName</code>.
</p>
This is a convenience that creates an instance of the [ @link List<String>.Builder] avoiding the need to create one manually via [ @link List<String>#builder()].

When the [ @link LimitValues] completes, [ @link List<String>.Builder#build()] is called immediately and its result is passed to [ @link LimitValues(List<String>)].

@params limitValues a consumer that will call methods on [ @link LimitValues].

@see #limitValues(List<String>)",
"deprecated": false,
"documentation": "<p> Values for the <code>StorageTypeLimit$LimitName</code>.
</p>

@http {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "LimitValues",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "LimitValues",
  "uri": false
}
"idempotencyToken": false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].

When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #member(String)].

@defaultConsumerFluentSetterDocumentation

@endpointDiscoveryId : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@fluentSetterDocumentation

@return Returns a reference to this object so that method calls can be chained together.

@deprecated" : false,
"documentation" : ",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

@fluentSetterDocumentation

@return Returns a reference to this object so that method calls can be chained together.

@getterMethod" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

The value of the Member property for this object.

@getterDocumentation

@return The value of the Member property for this object.

@getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
"isPayload" : false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
, "setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "LimitValues",
"sensitive" : false,
"setterDocumentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
</p>
@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
"setterMethodName" : "setLimitValues",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "limitValues",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "limitValues",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
</p>
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null,
"nonStreamingMembers" : [
    {"beanStyleGetterMethodName" : "getLimitName",
    "beanStyleSetterMethodName" : "setLimitName",
    "c2jName" : "LimitName",
    "c2jShape" : "LimitName",
    "defaultConsumerFluentSetterDocumentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <ol>\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #limitName(String)].\n\n@return Returns a reference to this object so that method calls can be chained together.\n@see #limitName(String)"
    "deprecated" : false,
    "documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code> <a>StorageType</a> </code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type.It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type.It can be empty if it is not applicable. </ol>"
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.

- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

@endpointDiscoveryId: false,

enumType: null,

eventHeader: false,

eventPayload: false,

"fluentEnumGetterMethodName" : "limitName",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

@endpointDiscoveryId: false,

enumType: null,

eventHeader: false,

eventPayload: false,

"fluentEnumGetterMethodName" : "limitName",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

@endpointDiscoveryId: false,

enumType: null,

eventHeader: false,

eventPayload: false,

"fluentEnumGetterMethodName" : "limitName",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

@endpointDiscoveryId: false,

enumType: null,

eventHeader: false,

eventPayload: false,

"fluentEnumGetterMethodName" : "limitName",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

@endpointDiscoveryId: false,

enumType: null,

eventHeader: false,

eventPayload: false,

"fluentEnumGetterMethodName" : "limitName",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "limitName",
"fluentSetterDocumentation" : "Name of storage limits that are applicable for given storage type. If <code>StorageType</code> is ebs, following storage options are applicable <ol>
- **MinimumVolumeSize**: Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumVolumeSize**: Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
- **MaximumIops**: Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
- **MinimumIops**: Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.

@endpointDiscoveryId: false,

enumType: null,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"marshallType" : "STRING",
"name" : "LimitName",
"marshallLocationName" : "LimitName",
"setterDocumentation" : "\n\nName of storage limits that are applicable for given storage type. If <code>\n\nStorageType</code> is ebs, following storage options are applicable <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <ol> <li>MinimumVolumeSize</li> Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable. <li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. <li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.<i*</li>
"setterMethodName" : "setLimitName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "limitName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "limitName",
"variableType" : "String",
"documentation" : "<p> Name of storage limits that are applicable for given storage type. If <code>a</code> <code>StorageType</code> is ebs, following storage options are applicable <ol>
<li>MinimumVolumeSize</li>
Minimum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumVolumeSize</li> Maximum amount of volume size that is applicable for given storage type. It can be empty if it is not applicable.
<li>MaximumIops</li> Maximum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable.
<li>MinimumIops</li> Minimum amount of Iops that is applicable for given storage type. It can be empty if it is not applicable. </ol></p>

"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
,
"beanStyleGetterMethodName" : "getLimitValues",
"beanStyleSetterMethodName" : "setLimitValues",
"c2jName" : "LimitValues",
"c2jShape" : "LimitValueList",
"defaultConsumerFluentSetterDocumentation" : "<p> Values for the <code>a</code> <code>StorageTypeLimit$LimitName</code> . </p>
This is a convenience that creates an instance of the [{@link List<String>}].
When the [{@link Consumer}] completes, [{@link List<String>}.Builder#build()] is called immediately and its result is passed to [{@link #limitValues(List<String>)}].

@returns a reference to this object so that method calls can be chained together.

"deprecated" : false,
"documentation" : "<p> Values for the <code>a</code> <code>StorageTypeLimit$LimitName</code> . </p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentSetterMethodName" : "limitValues",
"fluentSetterDocumentation" : "<p> Values for the <code>a</code> <code>StorageTypeLimit$LimitName</code> .

@returns a reference to this object so that method calls can be chained together.

"getterDocumentation" : "<p> Values for the <code>a</code> <code>StorageTypeLimit$LimitName</code> .

@returns Values for the <code>a</code> <code>StorageTypeLimit$LimitName</code> .

Attempts to modify the collection returned by this method will result in an UnsupportedOperation
Exception.

"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LimitValues",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LimitValues",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "LimitValue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}\n@param member a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.\n"
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : "",
    "simple" : true,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "String",
        "variableName" : "member",
        "variableType" : "String",
        "documentation" : ""
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "LimitValues",
"sensitive": false,
"setterDocumentation": "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .
@param limitValues Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .",
"setterMethodName": "setLimitValues",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "limitValues",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "limitValues",
  "variableType": "java.util.List<String>",
  "documentation": "<p> Values for the <code> <a>StorageTypeLimit$LimitName</a> </code> .</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
}
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": null,
"shapeName": "StorageTypeLimit",
"simpleMethod": false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "StorageTypeLimit",
  "variableName" : "storageTypeLimit",
  "variableType" : "StorageTypeLimit",
  "documentation" : null,
  "simpleType" : "StorageTypeLimit",
  "variableSetterType" : "StorageTypeLimit"
},
"wrapper" : false
},
"Tag" : {
  "c2jName" : "Tag",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Specifies a key value pair for a resource tag.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "Key",
    "c2jShape" : "TagKey",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>"
  ],
  "defaultValue" : null,
  "isAbstract" : false,
  "isList" : false,
  "isOrdered" : false,
  "isSensitive" : false,
  "isWrapper" : false,
  "marshaller" : null,
  "marshaller" : null,
  "marshaller" : null,
  "marshaller" : null,
  "marshaller" : null,
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  "marshaller" : null,
  "marshaller" : null,
  "marshaller" : null,
  "marshaller" : null,
  "marshaller" : null,
together.

```java
@see #key(String)
```

"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",

```
"setterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.",

"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null,

"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via `{ @link String.Builder}.

When the `{ @link Consumer} completes, `{ @link String.Builder#build()} is called immediately and its result is passed to `{ @link #value(String)}.

@return Returns a reference to this object so that method calls can be chained together.
@see #value(String)"

"deprecated": false,
"documentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>."

"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>

@returns Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "value",
"getterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>

@returns Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Value",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Value",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair

@returns
"
in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>`.

```json
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "Specifies the `<code>TagValue</code>`, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of `<code>project : Trinity</code>` and `<code>cost-center : Trinity</code>.",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNamespaceUri": null
},
"membersAsMap": {
  "Key": {
    "beanStyleGetterMethodName": "getKey",
    "beanStyleSetterMethodName": "setKey",
    "c2jName": "Key",
    "c2jShape": "TagKey",
    "defaultConsumerFluentSetterDocumentation": "Specifies the `<code>TagKey</code>`, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached."",
    "deprecated": false,
    "documentation": "Specifies the `<code>TagKey</code>`, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached."
  }
},
"toString": {}
```
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "key",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@return Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key"}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"Value" : {
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "Value",
"c2jShape" : "TagValue",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the Consumer completes, it is called immediately and its result is passed to the Consumer that will call methods on the String.Builder
@see #value(String)",
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.
@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.
@see #value(String)",
"return" : false}
so that method calls can be chained together."

"fluentSetterMethodName" : "value",

"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>

@return Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>";

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "Value",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "Value",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "Value",

"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>

@param value Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>

"setterMethodName" : "setValue",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "value"
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {

"variableDeclarationType": "String",
"variableName": "value",
"variableType": "String",
"documentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.

"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
},

"nonStreamingMembers": []

"beanStyleGetterMethodName": "getKey",
"beanStyleSetterMethodName": "setKey",
"c2jName": "Key",
"c2jShape": "TagKey",
"defaultConsumerFluentSetterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

This is a convenience that creates an instance of the <code>{@link String.Builder}</code> avoiding the need to create one manually via <code>{@link String#builder()}</code>. When the <code>{@link Consumer}</code> completes, <code>{@link String.Builder#build()}</code> is called immediately and its result is passed to <code>{@link #key(String)}</code>. When the <code>{@link String.Builder#build()}</code> is called, <code>@return</code> Returns a reference to this object so that method calls can be chained together.

@see #key(String)
",
"deprecated": false,
"documentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>
",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "key",
"fluentSetterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

@see #key(String)
",
"fluentSetterMethodName": "key",
"getterDocumentation": "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>

@see #key(String)
"
unique for the Elasticsearch domain to which they are attached.

```json
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"敏感" : false,
"setterDocumentation" : "Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached."
```

```text
@param key Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.
```

```
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
```
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
"beanStyleGetterMethodName" : "getValue",
"beanStyleSetterMethodName" : "setValue",
"c2jName" : "Value",
"c2jShape" : "TagValue",
"defaultValueFluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>
This is a convenience that creates an instance of the {<a href="/link String.Builder"></a>} avoiding the need to create one manually via {<a href="/link String.Builder#builder()"></a>}
When the {<a href="/link Consumer"></a>} completes, {<a href="/link String.Builder#build()"></a>} is called immediately and its result is passed to {<a href="/link #value(String)"></a>}
@param value a consumer that will call methods on {<a href="/link String.Builder"></a>}
@return Returns a reference to this object so that method calls can be chained together.<a href="#value(String)"></a>"
,  
"deprecated" : false,
"documentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>
@return Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code> so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code></p>",
"getterModel" : {"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "<p>Specifies the <code>TagKey</code>, the name of the tag. Tag keys must be unique for the Elasticsearch domain to which they are attached.</p>",
"simpleType" : "String",
"variableSetterType" : "String"}
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.

<code>
setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",

"variableName": "value",
"variableType": "String",
"documentation": "<p>Specifies the <code>TagValue</code>, the value assigned to the corresponding tag key. Tag values can be null and do not have to be unique in a tag set. For example, you can have a key value pair in a tag set of <code>project : Trinity</code> and <code>cost-center : Trinity</code>.

"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["Key", "Value"],
"shapeName": "Tag",
"simpleMethod": false,
"unmarshaller": {
"flattened": false,
"resultWrapper": null
},
"variable": {
"variableDeclarationType": "Tag",
"variableName": "tag",
"variableType": "Tag",
"documentation": null,
"simpleType": "Tag",
"variableSetterType": "Tag"
},
"wrapper": false
},
"UpdateElasticsearchDomainConfigRequest": {
"c2jName": "UpdateElasticsearchDomainConfigRequest",
"customization": {
"artificialResultWrapper": null,
"skipGeneratingMarshaller": false,
"skipGeneratingModelClass": false,
"skipGeneratingUnmarshaller": false,
"staxTargetDepthOffset": 0
},
"deprecated": false,
"documentation": "<p>Container for the parameters to the <code><a>UpdateElasticsearchDomain</a></code> operation. Specifies the type and number of instances in the domain cluster.</p>"},
"endpointDiscovery": null,
"enums": null,
"errorCode": null,
"event": false,
"eventStream": false,
"explicitEventPayloadMember": null,
"hasHeaderMember": false,
"hasPayloadMember": false,
"hasStatusCodeMember": false,
"hasStreamingMember": false,
"httpStatusCode": null,
"marshaller": {
  "action": "UpdateElasticsearchDomainConfig",
  "locationName": null,
  "requestUri": "/2015-01-01/es/domain/{DomainName}/config",
  "target": null,
  "verb": "POST",
  "xmlNameSpaceUri": null
},
"members": [
  {
    "beanStyleGetterMethodName": "getDomainName",
    "beanStyleSetterMethodName": "setDomainName",
    "c2jName": "DomainName",
    "c2jShape": "DomainName",
    "defaultConsumerFluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you are updating. \</p>\nThis is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String#builder()}.\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #domainName(String)}.\n@param domainName a consumer that will call methods on {\link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
    "deprecated": false,
    "documentation": "<p>The name of the Elasticsearch domain that you are updating. \</p>\nendpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "domainName",
    "fluentSetterDocumentation": "<p>The name of the Elasticsearch domain that you are updating.\n</p>\n@param domainName The name of the Elasticsearch domain that you are updating\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
    "getFluentSetterMethod": "domainName",
    "getterDocumentation": "<p>The name of the Elasticsearch domain that you are updating. \</p>\nreturn The name of the Elasticsearch domain that you are updating.\n\ngetterModel": 
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
"isPayload" : false,
"isStreaming" : false,
"location" : "uri",
"marshallLocation" : "PATH",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;The name of the Elasticsearch domain that you are updating. &lt;/p&gt;&lt;param name="domainName"&gt;The name of the Elasticsearch domain that you are updating.&lt;/param&gt;",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "&lt;p&gt;The name of the Elasticsearch domain that you are updating. &lt;/p&gt;",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"
  "beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
  "beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
  "c2jName" : "ElasticsearchClusterConfig",
  "c2jShape" : "ElasticsearchClusterConfig",
  "defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The type and number of instances to instantiate for the
This is a convenience that creates an instance of the {@link ElasticsearchClusterConfig.Builder} avoiding the need to create one manually via {@link ElasticsearchClusterConfig#builder()}.

When the {@link Consumer} completes, {@link ElasticsearchClusterConfig.Builder#build()} is called immediately and its result is passed to {@link #elasticsearchClusterConfig(ElasticsearchClusterConfig)}.

```
return new ElasticsearchClusterConfig.Builder()
    .withDomainConfigOneWay(clusterConfig)
    .build();
```

@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getEbsOptions",
  "beanStyleSetterMethodName" : "setEbsOptions",
  "c2jName" : "EBSOptions",
  "c2jShape" : "EBSOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}. Returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptions)",
  "deprecated" : false,
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "ebsOptions",}
Specify the type and size of the EBS volume that you want to use.

@returns Returns a reference to this object so that method calls can be chained together.

Specify the type and size of the EBS volume that you want to use.

Specify the type and size of the EBS volume that you want to use.

EBSOptions Specify the type and size of the EBS volume that you want to use.
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "EBSOptions",
    "variableName" : "ebsOptions",
    "variableType" : "EBSOptions",
    "documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>",
    "simpleType" : "EBSOptions",
    "variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null,
"
    "beanStyleGetterMethodName" : "getSnapshotOptions",
    "beanStyleSetterMethodName" : "setSnapshotOptions",
    "c2jName" : "SnapshotOptions",
    "c2jShape" : "SnapshotOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}. When the { @link Consumer} completes, { @link SnapshotOptions.Builder#build()} is called immediately and its result is passed to { @link #snapshotOptions(SnapshotOptions)}
@see #snapshotOptions(SnapshotOptions)

@deprecated false,
    "documentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventType" : null,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "snapshotOptions",
    "fluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
    "fluentSetterMethodName" : "snapshotOptions",
    "getterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
    "getterModel" : {
        "returnType" : "SnapshotOptions",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "SnapshotOptions",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SnapshotOptions",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "SnapshotOptions",
"sensitive": false,
"setterDocumentation": "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.\n\n@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.\n",
"setterMethodName": "setSnapshotOptions",
"setterModel": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": null,
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "SnapshotOptions",
  "variableName": "snapshotOptions",
  "variableType": "SnapshotOptions",
  "documentation": "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.\n",
  "simpleType": "SnapshotOptions",
  "variableSetterType": "SnapshotOptions"
},
"xmlNameSpaceUri": null}
Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

This is a convenience that creates an instance of the {@link VPCOptions#builder()}<i>When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to {@link VPCOptions#vpcOptions(VPCOptions)}<i>@param vpcOptions a consumer that will call methods on {@link VPCOptions.Builder}@return Returns a reference to this object so that method calls can be chained together.<i>@see #vpcOptions(VPCOptions)

"deprecated" : false,
"documentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@endeprecated
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@endeprecated
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@endeprecated
"getterModel" : {
"returnType" : "VPCOptions",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in VPC Endpoints for Amazon Elasticsearch Service Domains.

```java

"setterDocumentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in VPC Endpoints for Amazon Elasticsearch Service Domains.

setterMethodName": "setVpcOptions",
setterModel": {
  "variableDeclarationType": "VPCOptions",
  "variablesName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": null,
  "simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
}]

"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": "Options to specify the subnets and security groups for VPC endpoint. For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in VPC Endpoints for Amazon Elasticsearch Service Domains."
}
```

For more information, see [Creating a VPC](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc) in VPC Endpoints for Amazon Elasticsearch Service Domains.
Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>. This is a convenience that creates an instance of the CognitoOptions avoiding the need to create one manually via CognitoOptions.builder(). When the Consumer completes, CognitoOptions.Builder.build() is called immediately and its result is passed to CognitoOptions. Returns a reference to this object so that method calls can be chained together.

The documentation for this class is derived from the JavaDoc documentation of the class itself.

The code snippet below demonstrates how to use the CognitoOptions class to specify the Cognito user and identity pools for Kibana authentication.

```java
CognitoOptions cognitoOptions = CognitoOptions.builder()
    .withUserPoolId("<your_user_pool_id>
    .withIdentityPoolId("<your_identity_pool_id>
    .build();
```

This method call sets the user pool ID and identity pool ID for the Cognito authentication. The user pool ID and identity pool ID can be obtained from the Amazon Cognito console.

For more information about CognitoOptions, see the official Amazon Elasticsearch Service documentation.
Http:

- additionalMarshallingPath: null
- additionalUnmarshallingPath: null
- flattened: false
- greedy: false
- header: false
- isPayload: false
- isStreaming: false
- location: null
- marshallLocation: PAYLOAD
- marshallLocationName: CognitoOptions
- queryString: false
- statusCode: false
- unmarshallLocationName: CognitoOptions
- uri: false

idempotencyToken: false
isBinary: false
jsonValue: false
list: false
listModel: null
map: false
mapModel: null
marshallingType: SDK_POJO
name: CognitoOptions
sensitive: false
setterDocumentation: 

Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) .

setterMethodName: setCognitoOptions
setterModel:

variableDeclarationType: CognitoOptions
variableName: cognitoOptions
variableType: CognitoOptions
documentation: null
simpleType: CognitoOptions
variableSetterType: CognitoOptions

simple: false
timestampFormat: null
variable:

variableDeclarationType: CognitoOptions
variableName: cognitoOptions
variableType: CognitoOptions
documentation: Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see [Amazon Cognito Authentication for Kibana](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html) .
more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>

"simpleType" : "CognitoOptions",
"variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getAdvancedOptions",
  "beanStyleSetterMethodName" : "setAdvancedOptions",
  "c2jName" : "AdvancedOptions",
  "c2jShape" : "AdvancedOptions",
  "defaultConsumerFluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. </p>

This is a convenience that creates an instance of the [@link Map<String,String>:Builder] avoiding the need to create one manually via [@link Map<String,String>#builder()]. When the [@link Map<String,String>:Builder#build()] is called immediately and its result is passed to [@link Map<String,String>:Builder],[@link param advancedOptions] a consumer that will call methods on [@link Map<String,String>:Builder].@return Returns a reference to this object so that method calls can be chained together.@see #advancedOptions(Map<String,String>)",
  "deprecated" : false,
  "documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information."@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodname" : "advancedOptions",
"getterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

"getterModel" : {
  "returnType" : "java.util.Map<String,String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AdvancedOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #key(String) \}\n\n@param key a consumer that will call methods on \{ @link String.Builder \}\n\n@return Returns a reference to this object so that method calls can be chained"}

@see #key(String)

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "Returns the value of the Key property for this object.
@return The value of the Key property for this object.",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "key",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "key",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.
@param key The new value for the Key property for this object.",
"superModel" : null,
"superType" : null,
"superTypeName" : null,
"type" : "string"}
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via
{@link String#builder()}.\nWhen the @link Consumer completes, @link String.Builder#build() is called
immediately and its result is passed to @link #value(String).\n@para value a consumer that will call methods on
{@link String.Builder}\n@para return Returns a reference to this object so that method calls can be chained
together.\n@see #value(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
  "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\nnew value for the Value property for this object.\n@para return Returns a reference to this object so that method calls can
be chained together.",
  "fluentSetterMethodName" : "value",
  "getterDocumentation" : "Returns the value of the Value property for this object.\n@para return The value of the Value property for this object."
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "value",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "value",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Value",
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"setterDocumentation": "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "value",
  "variableType": "String",
  "documentation": "",
  "simple": true,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "value",
    "variableType": "String",
    "documentation": "",
    "simple": true,
    "timestampFormat": null,
  },
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "value",
    "variableType": "String",
    "documentation": "",
    "simple": true,
    "timestampFormat": null,
  }
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
,".
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>
}
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>
,".
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>
}
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAccessPolicies",
"beanStyleSetterMethodName" : "setAccessPolicies"
"c2jName": "AccessPolicies",
"c2jShape": "PolicyDocument",
"defaultConsumerFluentSetterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #accessPolicies(String)}.

@param accessPolicies a consumer that will call methods on {@link String.Builder} on return

@return Returns a reference to this object so that method calls can be chained together.

@see #accessPolicies(String)",
"deprecated": false,
"documentation": "<p>IAM access policy as a JSON-formatted string.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "accessPolicies",
"fluentSetterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.
@return Returns a reference to this object so that method calls can be chained together.

@see #accessPolicies(String)",
"getterDocumentation": "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.

@see #accessPolicies(String)",
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "AccessPolicies",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "AccessPolicies",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies
IAM access policy as a JSON-formatted string.
",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : "<p>IAM access policy as a JSON-formatted string.</p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
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"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : 
"Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@param logPublishingOptions Map of
<code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "logPublishingOptionsWithStrings",
"getterDocumentation" : 
"Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of
<code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

"getterModel" : {
  "returnType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "LogPublishingOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "LogPublishingOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType"}.
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the {\@link String.Builder} avoiding the need to create one manually via {\@link String.Builder#builder()}.\n\nWhen the {\@link Consumer} completes, {\@link String.Builder#build()} is called immediately and its result is passed to {\@link #keyAsString(String)}.\n\n@param key a consumer that will call methods on {\@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",

"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : "LogType",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "key",
"fluentEnumSetterMethodName" : "key",
"fluentGetterMethodName" : "keyAsString",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nWhen the {\@link Consumer} completes, {\@link String.Builder#build()} is called immediately and its result is passed to {\@link #keyAsString(String)}.\n\n@param key a consumer that will call methods on {\@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",

"getterDocumentation" : "Returns the value of the Key property for this object. If the service returns an enum value that is not available in the current SDK version, {\@link #key} will return {\@link LogType#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from {\@link #keyAsString}.\n\n@see LogType",

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "key",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "key",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.
@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the \{@link LogPublishingOption.Builder\} avoiding the need to create one manually via \{@link LogPublishingOption.Builder\}.\n\nWhen the \{@link Consumer\} completes, \{@link LogPublishingOption.Builder#build()\} is called immediately and its result is passed to \{@link #value(LogPublishingOption)\}.\n\n@param value a consumer that will call methods on \{@link LogPublishingOption.Builder\}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.
@return The value of the Value property for this object.",
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.
@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "LogPublishingOption",
   "variableName" : "value",
   "variableType" : "LogPublishingOption",
   "documentation" : "",
   "simpleType" : "LogPublishingOption",
   "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
}

"entryType" : "Map.Entry<String, LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
   "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
   "variableName" : "logPublishingOptions",
   "variableType" : "java.util.Map<String,LogPublishingOption>",
   "documentation" : null,
   "simpleType" : "Map<String,LogPublishingOption>",
   "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
   "variableName" : "logPublishingOptions",
   "variableType" : "java.util.Map<String,LogPublishingOption>",
   "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
   "simpleType" : "Map<String,LogPublishingOption>",
   "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
}]
"beanStyleSetterMethodName" : "setAccessPolicies",
"c2jName" : "AccessPolicies",
"c2jShape" : "PolicyDocument",
"defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #accessPolicies(String)}.<p>
@param accessPolicies a consumer that will call methods on {@link String.Builder}<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see #accessPolicies(String)",
"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",
"fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.<p>@return Returns a reference to this object so that method calls can be chained together.<p>@see #accessPolicies(String)",
"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AccessPolicies",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccessPolicies",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p> IAM access policy as a JSON-formatted string. </p>
@param accessPolicies IAM access policy as a JSON-formatted string.",
"setterMethodName" : "setAccessPolicies",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "accessPolicies",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "accessPolicies",
    "variableType" : "String",
    "documentation" : "<p> IAM access policy as a JSON-formatted string. </p>
                        "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"AdvancedOptions" : {
    "beanStyleGetterMethodName" : "getAdvancedOptions",
    "beanStyleSetterMethodName" : "setAdvancedOptions",
    "c2jName" : "AdvancedOptions",
    "c2jShape" : "AdvancedOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p> Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;

This is a convenience that creates an instance of the [ @link Map&lt;String,String&gt;.Builder ] avoiding the need to create one manually via [ @link Map&lt;String,String&gt;.builder() ].
When the [ @link Consumer ] completes, [ @link Map&lt;String,String&gt;.Builder#build() ] is called immediately and its result is passed to [ @link #advancedOptions(Map&lt;String,String&gt;)].
@return Returns a reference to this object so that method calls can be chained together.&lt;@see #advancedOptions(Map&lt;String,String&gt;)",
    "deprecated" : false,
    "documentation" : "<p> Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is

- "endpointDiscoveryId" : false,
- "enumType" : null,
- "eventHeader" : false,
- "eventPayload" : false,
- "fluentEnumGetterMethodName" : null,
- "fluentEnumSetterMethodName" : null,
- "fluentGetterMethodName" : "advancedOptions",
- "fluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

- @param advancedOptions

- "getterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>

- @return Returns a reference to this object so that method calls can be chained together.

- "getterModel" : { "returnType" : "java.util.Map<String,String>", "documentation" : "null"
}

- "http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AdvancedOptions",
  "queryString" : false,
  "statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"JsonValue" : false,
"list" : false,
"ListModel" : null,
"map" : true,
"mapModel" : {
"implType" : "java.util.HashMap",
"interfaceType" : "java.util.Map",
"keyLocationName" : "key",
"keyModel" : {
"beanStyleGetterMethodName" : "getKey",
"beanStyleSetterMethodName" : "setKey",
"c2jName" : "key",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the {[link String.Builder]} avoiding the need to create one manually via {[link String.Builder()]}\n\nWhen the {[link Consumer]} completes, {[link String.Builder#build()]} is called immediately and its result is passed to {[link #key(String)}].\n\n@param key a consumer that will call methods on {[link String.Builder]}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "key",
"fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "key",
"getterDocumentation" : "Returns the value of the Key property for this object.\n\n\n@see #key(String)",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "key",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "key",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
}
"c2jName" : "value",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String.Builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #value(String)].

@deprecation false,
@documentation "",
@endpointDiscoveryId false,
@enumType null,
@eventHeader false,
@eventPayload false,
@fluentEnumMethodName null,
@fluentEnumSetterMethodName null,
@fluentGetterMethodName "value",
@fluentSetterDocumentation "Sets the value of the Value property for this object.

@param value a consumer that will call methods on [@link String.Builder]@return Returns a reference to this object so that method calls can be chained together.
@see #value(String)",
@deprecated false,
@documentation "",
@endpointDiscoveryId false,
@enumType null,
@eventHeader false,
@eventPayload false,
@fluentEnumMethodName null,
@fluentEnumSetterMethodName null,
@fluentGetterMethodName "value",
@fluentSetterDocumentation "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
@deprecated false,
@documentation "",
@endpointDiscoveryId false,
@enumType null,
@eventHeader false,
@eventPayload false,
@fluentEnumMethodName null,
@fluentEnumSetterMethodName null,
@fluentGetterMethodName "value",
@fluentSetterDocumentation "Sets the value of the Value property for this object.

@returns The value of the Value property for this object.

getterModel{ returns String, documentation: null

http{ additionalMarshallingPath: null,
additionalUnmarshallingPath: null,
flattened: false,
greedy: false,
header: false,
isPayload: false,
isStreaming: false,
location: null,
marshallLocation: "PAYLOAD",
marshallLocationName: "value",
queryString: false,
statusCode: false,
unmarshallLocationName: "value",
uri: false
}

idempotencyToken: false,
isBinary: false,
jsonValue: false,
list: false,
listModel: null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object."
,"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
,"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.</p>\n\n@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.",
"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>"
}
"variableType" : "java.util.Map<String,String>",
"documentation" : null,
"simpleType" : "Map<String,String>",
"variableSetterType" : "java.util.Map<String,String>
},
"simple" : false,
"timestampFormat" : null,
"variable" : { 
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createsubresources.html#es-createupdatedomains" target="_blank">Configuration Advanced Options</a> for more information.</p>",
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>
},
"xmlNameSpaceUri" : null
},
"CognitoOptions" : { 
  "beanStyleGetterMethodName" : "getCognitoOptions",
  "beanStyleSetterMethodName" : "setCognitoOptions",
  "c2jName" : "CognitoOptions",
  "c2jShape" : "CognitoOptions",
  "defaultConsumerFluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<p>This is a convenience that creates an instance of the {@link CognitoOptions.Builder} avoiding the need to create one manually via {@link CognitoOptions#builder()}, a reference to this object so that method calls can be chained together.@<li>Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createsubresources.html#es-createupdatedomains" target="_blank">Configuration Advanced Options</a> for more information.</p>",
  "deprecated" : false,
  "documentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "getCognitoOptions",
"fluentEnumSetterMethodName" : "setCognitoOptions",
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<p>,
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "getCognitoOptions",
"fluentEnumSetterMethodName" : "setCognitoOptions",
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.<p>
Amazon Cognito Authentication for Kibana

@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>

@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"getterModel" : {
   "returnType" : "CognitoOptions",
   "documentation" : null
},

"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "CognitoOptions",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "CognitoOptions",
   "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,

"setterDocumentation" : "Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.

"setterModel" : {
   "returnType" : "CognitoOptions",
   "documentation" : null
}
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},
"DomainName" : {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.\n\nThis is a convenience that creates an instance of the {\@link String.Builder} avoiding the need to create one manually via {\@link String.Builder()}. When the {\@link Consumer} completes, {\@link String.Builder#build()} is called immediately and its result is passed to {\@link #domainName(String)}.\n\n@param domainName a consumer that will call methods on {\@link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)\n\n"deprecated" : false,
  "documentation" : "<p>The name of the Elasticsearch domain that you are updating.\n\n@endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.\n\n@param domainName The name of the Elasticsearch domain that you are updating.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)\n\n"getterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating.\n\n@see #domainName(String)\n\n"
name of the Elasticsearch domain that you are updating,",
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : "uri",
   "marshallLocation" : "PATH",
   "marshallLocationName" : "DomainName",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "DomainName",
   "uri" : true
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"primitiveSet" : false,
"setterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>@param

domainName The name of the Elasticsearch domain that you are updating.",
"setterMethodName" : "setDomainName",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "domainName",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "domainName",
   "variableType" : "String"}
"documentation" : "<p>The name of the Elasticsearch domain that you are updating. </p>",
"simpleType" : "String",
"variableSetterType" : "String"
],
"xmlNameSpaceUri" : null
},
"EBSOptions" : {
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
This is a convenience that creates an instance of the {@link EBSOptions.Builder} avoiding the need to create one manually via {@link EBSOptions#builder()}. When the {@link Consumer} completes, {@link EBSOptions.Builder#build()} is called immediately and its result is passed to {@link #ebsOptions(EBSOptions)}. {
@<p>"endpointDiscoveryId" : false,
"endpointDiscoveryId" : null,
"endpointDiscoveryId" : false,
"endpointDiscoveryId" : false,
"endpointDiscoveryId" : false,
"endpointDiscoveryId" : false,
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"endpointDiscoveryId" : false,
"endpointDiscoveryId" : false,
"endpointDisco
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"sensitive" : false,
"setterDocumentation" : "&lt;p&gt;Specify the type and size of the EBS volume that you want to use. &lt;/p&gt;&lt;param ebsOptions Specify the type and size of the EBS volume that you want to use. \\
"setterMethodName" : "setEbsOptions",
"setterModel" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : null,
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "EBSOptions",
"variableName" : "ebsOptions",
"variableType" : "EBSOptions",
"documentation" : "&lt;p&gt;Specify the type and size of the EBS volume that you want to use. &lt;/p&gt;",
"simpleType" : "EBSOptions",
"variableSetterType" : "EBSOptions"
},
"xmlNameSpaceUri" : null
},
"ElasticsearchClusterConfig" : {
"beanStyleGetterMethodName" : "getElasticsearchClusterConfig",
"beanStyleSetterMethodName" : "setElasticsearchClusterConfig",
"c2jName" : "ElasticsearchClusterConfig",
"c2jShape" : "ElasticsearchClusterConfig",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;The type and number of instances to instantiate for the domain cluster.&lt;/p&gt;&lt; Consumers This is a convenience that creates an instance of the [link ElasticsearchClusterConfig.Builder] avoiding the need to create one manually via [link ElasticsearchClusterConfig#builder()]. When the [link Consumer] completes, [link ElasticsearchClusterConfig.Builder#build()] is called immediately and its result is passed to [link ElasticsearchClusterConfig.Builder#build()] &lt;/p&gt;"
#elasticsearchClusterConfig(ElasticsearchClusterConfig)}

@param elasticsearchClusterConfig a consumer that will call methods on { @link ElasticsearchClusterConfig.Builder}.

@return Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)

@deprecated
@documentation: The type and number of instances to instantiate for the domain cluster.

@endpointDiscoveryId : false,

@eventHeader : false,

@eventPayload : false,

@fluentEnumGetterMethodName : null,

@fluentEnumSetterMethodName : null,

@fluentGetterMethodName : "elasticsearchClusterConfig",

@fluentSetterDocumentation : "The type and number of instances to instantiate for the domain cluster.

@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.

@return The type and number of instances to instantiate for the domain cluster.

@getterDocumentation : "The type and number of instances to instantiate for the domain cluster.

@getterModel : {

@returnType : "ElasticsearchClusterConfig",

@documentation : null

}

@http : {

@additionalMarshallingPath : null,

@additionalUnmarshallingPath : null,

@flattened : false,

@greedy : false,

@header : false,

@isPayload : false,

@isStreaming : false,

@location : null,

@marshallLocation : "PAYLOAD",

@marshallLocationName : "ElasticsearchClusterConfig",

@queryString : false,

@statusCode : false,

@unmarshallLocationName : "ElasticsearchClusterConfig",

@uri : false

}

@idempotencyToken : false,

@isBinary : false,

@jsonValue : false,

@list : false,

@listModel : null,

@map : false,

@mapModel : null,

@marshallingType : "SDK_POJO",

@name : "ElasticsearchClusterConfig",

@sensitive : false,
"setterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster.",
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : null,
    "simpleType" : "ElasticsearchClusterConfig",
    "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "ElasticsearchClusterConfig",
    "variableName" : "elasticsearchClusterConfig",
    "variableType" : "ElasticsearchClusterConfig",
    "documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
    "simpleType" : "ElasticsearchClusterConfig",
    "variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
},
"LogPublishingOptions" : {
    "beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
    "beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
    "c2jName" : "LogPublishingOptions",
    "c2jShape" : "LogPublishingOptions",
    "defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
This is a convenience that creates an instance of the {@link Map<String,LogPublishingOption>.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}. When the {@link Consumer} completes, {@link Map<String,LogPublishingOption>.Builder#build()} is called immediately and its result is passed to {@link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>)}. 
@param logPublishingOptions a consumer that will call methods on {@link Map<String,LogPublishingOption>.Builder}.
@return Returns a reference to this object so that method calls can be chained together.
@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings"
"fluentSetterDocumentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "logPublishingOptionsWithStrings",

"getterDocumentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.

"getterModel" : {
    "returnType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null
}

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "LogPublishingOptions",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "LogPublishingOptions",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : true,

"mapModel" : {
    "implType" : "java.util.HashMap",
    "interfaceType" : "java.util.Map",
    "keyLocationName" : "key",
    "keyModel" : {
        "beanStyleGetterMethodName" : "getKeyAsString",
        "beanStyleSetterMethodName" : "setKey",
        "c2jName" : "key",
        "c2jShape" : "LogType",
        "defaultValueFluentSetterDocumentation" : "Sets the value of the Key property for this object.

This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via
When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #keyAsString(String)].

@see #key(String)

When the [link Consumer] completes, [link String.Builder#build()] is called immediately and its result is passed to [link #keyAsString(String)].

@see #key(String)

Sets the value of the Key property for this object.

@see LogType

Returns a reference to this object so that method calls can be chained together.

If the service returns an enum value that is not available in the current SDK version, [link #key] will return [link LogType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [link #keyAsString].

The value of the Key property for this object.

@see LogType

Returns a reference to this object so that method calls can be chained together.

If the service returns an enum value that is not available in the current SDK version, [link #key] will return [link LogType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [link #keyAsString].

The value of the Key property for this object.

@see LogType

Returns a reference to this object so that method calls can be chained together.

If the service returns an enum value that is not available in the current SDK version, [link #key] will return [link LogType#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [link #keyAsString].
"marshallingType" : "STRING",
"name" : "Key",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Key property for this object.

@see LogType",
"setterMethodName" : "setKey",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.

This is a convenience that creates an instance of the LogPublishingOption.Builder avoiding the need to create one manually via LogPublishingOption.Builder#builder().

When the Consumer completes, LogPublishingOption.Builder#build() is called immediately and its result is passed to LogPublishingOption.Builder#value(LogPublishingOption).

@see #value(LogPublishingOption)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object.

@return The value of the Value property for this object.",
"getterModel" : {
"returnType" : "LogPublishingOption",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "value",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "value",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Value",
"simple" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.

@param value The new value for the Value property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setValue",
"setterModel" : {
"variableDeclarationType" : "LogPublishingOption",
"variableName" : "value",
"variableType" : "LogPublishingOption",
"documentation" : null,
"simpleType" : "LogPublishingOption",
"variableSetterType" : "LogPublishingOption"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "LogPublishingOption",
    "variableName" : "value",
    "variableType" : "LogPublishingOption",
    "documentation" : "",
    "simpleType" : "LogPublishingOption",
    "variableSetterType" : "LogPublishingOption"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String,LogPublishingOption>",
"templateType" : "java.util.Map<String,LogPublishingOption>"
},
"marshallingType" : "MAP",
"name" : "LogPublishingOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
"setterMethodName" : "setLogPublishingOptionsWithStrings",
"setterModel" : {
    "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
    "variableName" : "logPublishingOptions",
    "variableType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : null,
    "simpleType" : "Map<String,LogPublishingOption>",
    "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
    "variableName" : "logPublishingOptions",
    "variableType" : "java.util.Map<String,LogPublishingOption>",
    "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>
", "simpleType" : "Map<String,LogPublishingOption>",
    "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},
"xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
    "beanStyleGetterMethodName" : "getSnapshotOptions",
    "beanStyleSetterMethodName" : "setSnapshotOptions",
    "c2jName" : "SnapshotOptions",
    "c2jShape" : "SnapshotOptions",
    "marshallingType" : "MAP",
    "name" : "SnapshotOptions",
    "sensitive" : false,
    "setterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
", "setterMethodName" : "setLogPublishingOptionsWithStrings",
    "setterModel" : {
        "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
        "variableName" : "logPublishingOptions",
        "variableType" : "java.util.Map<String,LogPublishingOption>",
        "documentation" : null,
        "simpleType" : "Map<String,LogPublishingOption>",
        "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
    },
    "simple" : false,
    "timestampFormat" : null,
    "variable" : {
        "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
        "variableName" : "logPublishingOptions",
        "variableType" : "java.util.Map<String,LogPublishingOption>",
        "documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.
", "simpleType" : "Map<String,LogPublishingOption>",
        "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
    },
    "xmlNameSpaceUri" : null
},
"SnapshotOptions" : {
    "beanStyleGetterMethodName" : "getSnapshotOptions",
    "beanStyleSetterMethodName" : "setSnapshotOptions",
    "c2jName" : "SnapshotOptions",
    "c2jShape" : "SnapshotOptions"}
"defaultConsumerFluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. This is a convenience that creates an instance of the {@link SnapshotOptions.Builder} avoiding the need to create one manually via {@link SnapshotOptions#builder()}. When the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to the builder.

When the {@link Consumer} completes, {@link SnapshotOptions.Builder#build()} is called immediately and its result is passed to the builder. Returns a reference to this object so that method calls can be chained together.

@see #snapshotOptions(SnapshotOptions)",

"deprecated" : false,

"documentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>",

"endpointDiscoveryId" : false,

"enumType" : null,

"eventHeader" : false,

"eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetterMethodName" : "snapshotOptions",

"fluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.
@return Returns a reference to this object so that method calls can be chained together.

@see #snapshotOptions(SnapshotOptions)",

"fluentSetterMethodName" : "snapshotOptions",

"getterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. 

@returns Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.

@returns Returns a reference to this object so that method calls can be chained together.

@see #snapshotOptions(SnapshotOptions)",

"getterModel" : {

"returnType" : "SnapshotOptions",

"documentation" : null
},

"http" : {

"additionalMarshallingPath" : null,

"additionalUnmarshallingPath" : null,

"flattened" : false,

"greedy" : false,

"header" : false,

"isPayload" : false,

"isStreaming" : false,

"location" : null,

"marshallLocation" : "PAYLOAD",

"marshallLocationName" : "SnapshotOptions",

"queryString" : false,

"statusCode" : false,

"unmarshallLocationName" : "SnapshotOptions",

"uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : 
<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.</p>
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.

"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
 "variableDeclarationType" : "SnapshotOptions",
 "variableName" : "snapshotOptions",
 "variableType" : "SnapshotOptions",
 "documentation" : null,
 "simpleType" : "SnapshotOptions",
 "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "SnapshotOptions",
 "variableName" : "snapshotOptions",
 "variableType" : "SnapshotOptions",
 "documentation" : <p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.</p>,
 "simpleType" : "SnapshotOptions",
 "variableSetterType" : "SnapshotOptions"
},
"xmlNameSpaceUri" : null,

"VPCOptions" : {
 "beanStyleGetterMethodName" : "getVpcOptions",
 "beanStyleSetterMethodName" : "setVpcOptions",
 "c2jName" : "VPCOptions",
 "c2jShape" : "VPCOptions",
 "defaultConsumerFluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
This is a convenience that creates an instance of the { @link VPCOptions.Builder} avoiding the need to create one manually via { @link VPCOptions#builder()}. When the { @link Consumer} completes, { @link VPCOptions.Builder#build()} is called immediately and its result is passed to { @link #vpcOptions(VPCOptions)}. Returns a reference to this object so that method calls can be chained together.
@see #vpcOptions(VPCOptions)",
 "deprecated" : false,
Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

```
@end documentation
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "vpcOptions",
"fluentSetterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>
@return Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName": "vpcOptions",
"getterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@return Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>",
"getterModel": {
  "returnType": "VPCOptions",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "VPCOptions",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "VPCOptions",
  "uri": false
},
"idempotencyToken": false,
"setterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>",
"setterMethodName" : "setVpcOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCOptions",
  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>
@param vpcOptions Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>",
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
},
"xmlNameSpaceUri" : null
},

"nonStreamingMembers" : [
  {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "<p>The name of the Elasticsearch domain that you are updating. <i>This is a convenience that creates an instance of the {<a href="#link" target="_blank">link</a> String.Builder} avoiding the need to"
"setterDocumentation" : "The name of the Elasticsearch domain that you are updating.

@param domainName The name of the Elasticsearch domain that you are updating.

setterMethodName" : "setDomainName",

setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

"simple" : true,

timestampFormat" : null,

variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "The name of the Elasticsearch domain that you are updating.

The type and number of instances to instantiate for the domain cluster.

This is a convenience that creates an instance of the [ElasticsearchClusterConfig.Builder] avoiding the need to create one manually via [ElasticsearchClusterConfig#builder()]

When the [Consumer] completes, [ElasticsearchClusterConfig.Builder#build()] is called immediately and its result is passed to [ElasticsearchClusterConfig#

return Returns a reference to this object so that method calls can be chained together.

@see #elasticsearchClusterConfig(ElasticsearchClusterConfig)"

"deprecated" : false,

documentation" : "The type and number of instances to instantiate for the domain cluster.

endpointDiscoveryId" : false,

enumType" : null,

eventHeader" : false,

eventPayload" : false,

"fluentEnumGetterMethodName" : null,

"fluentEnumSetterMethodName" : null,

"fluentGetMethod" : "elasticsearchClusterConfig",

"fluentSetterMethodName" : "elasticsearchClusterConfig",

"fluentSetterDocumentation" : "The type and number of instances to instantiate for the domain cluster.

@return Returns a reference to this object so that method calls can be chained together."}
"fluentSetterMethodName" : "elasticsearchClusterConfig",
"getterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
@return The type and number of instances to instantiate for the domain cluster."
"getterModel" : {
  "returnType" : "ElasticsearchClusterConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "ElasticsearchClusterConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "ElasticsearchClusterConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "ElasticsearchClusterConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>
@param elasticsearchClusterConfig The type and number of instances to instantiate for the domain cluster."
"setterMethodName" : "setElasticsearchClusterConfig",
"setterModel" : {
  "variableDeclarationType" : "ElasticsearchClusterConfig",
  "variableName" : "elasticsearchClusterConfig",
  "variableType" : "ElasticsearchClusterConfig",
  "documentation" : null,
  "simpleType" : "ElasticsearchClusterConfig",
  "variableSetterType" : "ElasticsearchClusterConfig"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "ElasticsearchClusterConfig",
"variableName" : "elasticsearchClusterConfig",
"variableType" : "ElasticsearchClusterConfig",
"documentation" : "<p>The type and number of instances to instantiate for the domain cluster.</p>",
"simpleType" : "ElasticsearchClusterConfig",
"variableSetterType" : "ElasticsearchClusterConfig"
},
"xmlNameSpaceUri" : null
}, {
"beanStyleGetterMethodName" : "getEbsOptions",
"beanStyleSetterMethodName" : "setEbsOptions",
"c2jName" : "EBSOptions",
"c2jShape" : "EBSOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. 
This is a convenience that creates an instance of the [@link EBSOptions.Builder] avoiding the need to create one manually via [@link EBSOptions#builder()].
When the [@link Consumer] completes, [@link EBSOptions.Builder#build()] is called immediately and its result is passed to [@link #ebsOptions(EBSOptions)].
@return Returns a reference to this object so that method calls can be chained together.
@see #ebsOptions(EBSOptions)",
"deprecated" : false,
"documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "ebsOptions",
"fluentSetterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use.</p>
@param ebsOptions Specify the type and size of the EBS volume that you want to use.
@return Returns a reference to this object so that method calls can be chained together.",
"getterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@return Specify the type and size of the EBS volume that you want to use.
@see #ebsOptions(EBSOptions)",
"getterModel" : {
  "returnType" : "EBSOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "EBSOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "EBSOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "EBSOptions",
"setterDocumentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
@param
ebsOptions Specify the type and size of the EBS volume that you want to use.",
"setterMethodName" : "setEbsOptions",
"setterModel" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : null,
  "simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "EBSOptions",
  "variableName" : "ebsOptions",
  "variableType" : "EBSOptions",
  "documentation" : "<p>Specify the type and size of the EBS volume that you want to use. </p>
"simpleType" : "EBSOptions",
  "variableSetterType" : "EBSOptions"
},
"xmlnsSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSnapshotOptions",
"beanStyleSetterMethodName" : "setSnapshotOptions",
"c2jName" : "SnapshotOptions",
"c2jShape" : "SnapshotOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
This is a convenience that creates an instance of the { @link SnapshotOptions.Builder} avoiding the need to create one manually via { @link SnapshotOptions#builder()}.

When the { @link Consumer} completes,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "SnapshotOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. </p>
@param snapshotOptions Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours.",
"setterMethodName" : "setSnapshotOptions",
"setterModel" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : null,
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "SnapshotOptions",
  "variableName" : "snapshotOptions",
  "variableType" : "SnapshotOptions",
  "documentation" : "Option to set the time, in UTC format, for the daily automated snapshot. Default value is <code>0</code> hours. ",
  "simpleType" : "SnapshotOptions",
  "variableSetterType" : "SnapshotOptions"
}
"xmlNameSpaceUri" : null,
"beanStyleGetterMethodName" : "getVpcOptions",
"beanStyleSetterMethodName" : "setVpcOptions",
"c2jName" : "VPCOptions",
"c2jShape" : "VPCOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>This is a convenience that creates an instance of the {@link VPCOptions.Builder} avoiding the need to create one manually via {@link VPCOptions#builder()}.
When the {@link Consumer} completes, {@link VPCOptions.Builder#build()} is called immediately and its result is passed to {@link vpcOptions(VPCOptions)}.{@link param vpcOptions a consumer that will call methods on {@link VPCOptions.Builder} and return Returns a reference to this object so that method calls can be chained together.{@link see #vpcOptions(VPCOptions)"},
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i></p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcOptions",
"fluentSetterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For
more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@returns Options to specify the subnets and security groups for VPC endpoint. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@return Returns a reference to this object so that
method calls can be chained together.,
"fluentSetterMethodName" : "vpcOptions",
"getterDocumentation" : "Options to specify the subnets and security groups for VPC endpoint. For
more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.

@return Returns Options to specify the subnets and security groups for VPC endpoint. For more
information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in <i>VPC Endpoints for Amazon Elasticsearch Service Domains</i>.,
"getterModel" : {
  "returnType" : "VPCOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "VPCOptions",
"敏感": false,

"setterDocumentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in VPC Endpoints for Amazon Elasticsearch Service Domains</p>

@signature

\[
\text{VPCOptions vpcOptions}
\]

For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html#es-creating-vpc" target="_blank">Creating a VPC</a> in VPC Endpoints for Amazon Elasticsearch Service Domains",

"setterMethodName": "setVpcOptions",

"setterModel": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": null,
  "simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
},

"simple": false,

"timestampFormat": null,

"variable": {
  "variableDeclarationType": "VPCOptions",
  "variableName": "vpcOptions",
  "variableType": "VPCOptions",
  "documentation": null,
  "simpleType": "VPCOptions",
  "variableSetterType": "VPCOptions"
},

"xmlNameSpaceUri": null
},

"beanStyleGetterMethodName": "getCognitoOptions",

"beanStyleSetterMethodName": "setCognitoOptions",

"c2jName": "CognitoOptions",

"c2jShape": "CognitoOptions",

"defaultConsumerFluentSetterDocumentation": "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>

This is a convenience that creates an instance of the @link CognitoOptions.Builder avoiding the need to create one manually via @link CognitoOptions#builder().

When the @link Consumer completes, @link CognitoOptions.Builder#build() is called immediately and its result is passed to @link CognitoOptions.CognitoOptions, a consumer that will call methods on @link CognitoOptions.Builder.

@returns Returns a reference to this object so that method calls can be chained together.

@see #cognitoOptions(CognitoOptions)"

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"deprecated" : false,
"documentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "cognitoOptions",
"fluentSetterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "cognitoOptions",
"getterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.</p>
@return Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.",
"getterModel" : {
  "returnType" : "CognitoOptions",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "CognitoOptions",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "CognitoOptions",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,

"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "CognitoOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\</p>\n@param cognitoOptions Options to specify the Cognito user and identity pools for Kibana authentication. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-cognito-auth.html" target="_blank">Amazon Cognito Authentication for Kibana</a>.\n",
"setterMethodName" : "setCognitoOptions",
"setterModel" : {
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  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "CognitoOptions",
  "variableName" : "cognitoOptions",
  "variableType" : "CognitoOptions",
  "documentation" : null,
  "simpleType" : "CognitoOptions",
  "variableSetterType" : "CognitoOptions"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAdvancedOptions",
"beanStyleSetterMethodName" : "setAdvancedOptions",
"c2jName" : "AdvancedOptions",
"c2jShape" : "AdvancedOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.\</p>\nThis is a convenience that creates an instance of the [ @link Map<String,String>.Builder] avoiding the need to create one manually via [ @link Map<String,String>#builder()].\n\nWhen the [ @link Consumer] completes, [ @link Map<String,String>.Builder#build()] is called immediately and its result is passed to [ @link
AdvancedOptions(Map<String,String>)}.
@param advancedOptions a consumer that will call methods on { @link Map<String,String>.Builder }
@return Returns a reference to this object so that method calls can be chained together.
@see #advancedOptions(Map<String,String>),
"deprecated" : false,
"documentation" : 
"Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="/http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. </p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "advancedOptions",
"fluentSetterDocumentation" : 
"Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>true</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="/http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information. </p>",
"getterDocumentation" : 
"Attempts to modify the collection returned by this method will result in an UnsupportedOperationException."
@return Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See <a href="/http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.
"getterModel" : {
"returnType" : "java.util.Map<String,String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AdvancedOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AdvancedOptions",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKey",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThis is a convenience that creates an instance of the \n\{@link String.Builder\} avoiding the need to create one manually via \n\{@link String#builder()\}.\n\nWhen the \n\{@link Consumer\} completes, \n\{@link String.Builder#build()\} is called immediately and its result is passed to \n\{@link #key(String)\}.\n\n@param key a consumer that will call methods on \n\{@link String.Builder\}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #key(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "key",
    "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\nThe new value for the Key property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "key",
    "getterDocumentation" : "Returns the value of the Key property for this object.\n\n@return The value of the Key property for this object",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    }
  }
}
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "key",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "key",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Key",
"simple": true,
"simpleSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}.

"setterDocumentation": "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n",
"setterMethodName": "setKey",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "key",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
}
}.
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
    "beanStyleGetterMethodName" : "getValue",
    "beanStyleSetterMethodName" : "setValue",
    "c2jName" : "value",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #value(String) \}.\n\n@returns When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #value(String) \}.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see \{ @link String#builder() \}",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "value",
    "fluentSetterDocumentation" : "Sets the value of the Value property for this object.\n\nThe new value for the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see \{ @link String#builder() \}",
    "fluentSetterMethodName" : "value",
    "getterDocumentation" : "Returns the value of the Value property for this object.\n\n@returns The value of the Value property for this object.\n\n@returns Returns a reference to this object so that method calls can be chained together.\n\n@see \{ @link String#builder() \}",
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "value",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "value",
        "uri" : false
    },
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Value",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.",
"setterMethodName" : "setValue",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "value",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"entryType" : "Map.Entry<String, String>",
"templateType" : "java.util.Map<String,String>"
},
"marshallingType" : "MAP",
"name" : "AdvancedOptions",
"sensitive" : false,
"setterDocumentation" : "<p>Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.&lt;/p&gt;\n\n@param advancedOptions Modifies the advanced option to allow references to indices in an HTTP request body. Must be <code>false</code> when configuring access to individual sub-resources. By default, the value is <code>true</code>. See &lt;a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createupdatedomains.html#es-
createdomain-configure-advanced-options" target="_blank">Configuration Advanced Options</a> for more information.

"setterMethodName" : "setAdvancedOptions",
"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.Map<String,String>",
  "variableName" : "advancedOptions",
  "variableType" : "java.util.Map<String,String>",
  "documentation" : null,
  "simpleType" : "Map<String,String>",
  "variableSetterType" : "java.util.Map<String,String>"
},
"xmlNameSpaceUri" : null
}, {
  "beanStyleGetterMethodName" : "getAccessPolicies",
  "beanStyleSetterMethodName" : "setAccessPolicies",
  "c2jName" : "AccessPolicies",
  "c2jShape" : "PolicyDocument",
  "defaultConsumerFluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String.Builder#builder()}.

When the { @link Consumer#accept()} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #accessPolicies(String)}.

@returns Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)

"deprecated" : false,
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "accessPolicies",

"fluentSetterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@returns Returns a reference to this object so that method calls can be chained together.
@see #accessPolicies(String)"}
method calls can be chained together.

"fluentSetterMethodName" : "accessPolicies",
"getterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@return IAM access policy as a JSON-formatted string.

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "AccessPolicies",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "AccessPolicies",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "AccessPolicies",
"sensitive" : false,
"setterDocumentation" : "<p>IAM access policy as a JSON-formatted string.</p>
@param accessPolicies IAM access policy as a JSON-formatted string.

"setterMethodName" : "setAccessPolicies",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "accessPolicies",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"}
"variableDeclarationType" : "String",
"variableName" : "accessPolicies",
"variableType" : "String",
"documentation" : "<p>IAM access policy as a JSON-formatted string.</p>",
"simpleType" : "String",
"variableSetterType" : "String" },
"xmlnsNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getLogPublishingOptionsAsStrings",
"beanStyleSetterMethodName" : "setLogPublishingOptionsWithStrings",
"c2jName" : "LogPublishingOptions",
"c2jShape" : "LogPublishingOptions",
"defaultConsumerFluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n</p>\nThis is a convenience that creates an instance of the {@link Map<String,LogPublishingOption}.Builder} avoiding the need to create one manually via {@link Map<String,LogPublishingOption>#builder()}.\n\nWhen the method completes, it is passed to the [ @link Map<String,LogPublishingOption>.Builder#build() ] is called immediately and its result is passed to the [ @link #logPublishingOptionsAsStrings(Map<String,LogPublishingOption>) ].
\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"deprecated" : false,
"documentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "logPublishingOptions",
"fluentEnumSetterMethodName" : "logPublishingOptions",
"fluentGetterMethodName" : "logPublishingOptionsAsStrings",
"fluentSetterDocumentation" : "<p>Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n</p>\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n\n@return Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.\n@see #logPublishingOptionsWithStrings(Map<String,LogPublishingOption>)",
"getterModel" : {
"returnType" : "java.util.Map<String,LogPublishingOption>"
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "LogPublishingOptions",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "LogPublishingOptions",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : true,
"mapModel" : {
  "implType" : "java.util.HashMap",
  "interfaceType" : "java.util.Map",
  "keyLocationName" : "key",
  "keyModel" : {
    "beanStyleGetterMethodName" : "getKeyAsString",
    "beanStyleSetterMethodName" : "setKey",
    "c2jName" : "key",
    "c2jShape" : "LogType",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Key property for this object.\nThis is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via {link String#builder()}\nWhen the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to {link #keyAsString(String)}\n@param key a consumer that will call methods on {link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #key(String)",
    "deprecated" : false,
    "documentation" : ""
  },
  "endpointDiscoveryId" : false,
  "enumType" : "LogType",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "key",
  "fluentEnumSetterMethodName" : "key",
  "fluentGetterMethodName" : "keyAsString",
  "fluentSetterMethodName" : "key",
  "fluentSetterDocumentation" : "Sets the value of the Key property for this object.\n\n@param key The new value for the Key property for this object.\n@see LogType\n@return Returns a reference to this object so that method calls can be chained together.\n@see LogType",
  "fluentSetterMethodName" : "key"}
If the service returns an enum value that is not available in the current SDK version, \{@link #key\} will return \{@link LogType#UNKNOWN_TO_SDK_VERSION\}. The raw value returned by the service is available from \{@link #keyAsString\}.

@see LogType

```
getterModel : {
  "returnType" : "String",
  "documentation" : null
},

getterDocumentation" : "Returns the value of the Key property for this object.
If the service returns an enum value that is not available in the current SDK version, \{@link #key\} will return \{@link LogType#UNKNOWN_TO_SDK_VERSION\}. The raw value returned by the service is available from \{@link #keyAsString\}.

@return The value of the Key property for this object.
@see LogType",

```

setterDocumentation" : "Sets the value of the Key property for this object.

@param key The new value for the Key property for this object.

@see LogType",

typeModel : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

setterMethodName" : "setKey",

```
setterModel : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},

simple" : true,

typeModel : {
  "variableDeclarationType" : "String",
  "variableName" : "key",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"variableDeclarationType" : "String",
"variableName" : "key",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"valueLocationName" : "value",
"valueModel" : {
  "beanStyleGetterMethodName" : "getValue",
  "beanStyleSetterMethodName" : "setValue",
  "c2jName" : "value",
  "c2jShape" : "LogPublishingOption",
  "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Value property for this object. This
is a convenience that creates an instance of the { @link LogPublishingOption.Builder} avoiding the need to create
one manually via { @link LogPublishingOption.Builder#builder()}. When the { @link Consumer} completes, { @link
LogPublishingOption.Builder#build()} is called immediately and its result is passed to { @link
#value(LogPublishingOption)}. @param value a consumer that will call methods on { @link
LogPublishingOption.Builder}@return Returns a reference to this object so that method calls can be chained
together.@see #value(LogPublishingOption)",
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "value",
"fluentSetterDocumentation" : "Sets the value of the Value property for this object. The new value for
the Value property for this object. @return Returns a reference to this object so that method calls can
be chained together.",
"fluentSetterMethodName" : "value",
"getterDocumentation" : "Returns the value of the Value property for this object. The value of the
Value property for this object.",
"getterModel" : {
  "returnType" : "LogPublishingOption",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "value",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "value",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "SDK_POJO",
"name": "Value",
"setterDocumentation": "Sets the value of the Value property for this object.\n\n@param value The new value for the Value property for this object.\n",
"setterMethodName": "setValue",
"setterModel": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": null,
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "LogPublishingOption",
  "variableName": "value",
  "variableType": "LogPublishingOption",
  "documentation": "",
  "simpleType": "LogPublishingOption",
  "variableSetterType": "LogPublishingOption"
},
"xmlNameSpaceUri": null
},
"entryType": "Map.Entry<String, LogPublishingOption>",
"templateType": "java.util.Map<String,LogPublishingOption>"
},
"marshallingType": "MAP",
"name": "LogPublishingOptions",
"sensitive": false,
"setterDocumentation" : ">\n@param logPublishingOptions Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",

"setterMethodName" : "setLogPublishingOptionsWithStrings",

"setterModel" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : null,
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},

"simple" : false,

"timestampFormat" : null,

"variable" : {
  "variableDeclarationType" : "java.util.Map<String,LogPublishingOption>",
  "variableName" : "logPublishingOptions",
  "variableType" : "java.util.Map<String,LogPublishingOption>",
  "documentation" : "Map of <code>LogType</code> and <code>LogPublishingOption</code>, each containing options to publish a given type of Elasticsearch log.",
  "simpleType" : "Map<String,LogPublishingOption>",
  "variableSetterType" : "java.util.Map<String,LogPublishingOption>"
},

"xmlNameSpaceUri" : null
]

"requestSignerAware" : false,

"requestSignerClassFqcn" : null,

"required" : [ "DomainName" ],

"shapeName" : "UpdateElasticsearchDomainConfigRequest",

"simpleMethod" : false,

"unmarshaller" : null,

"variable" : {
  "variableDeclarationType" : "UpdateElasticsearchDomainConfigRequest",
  "variableName" : "updateElasticsearchDomainConfigRequest",
  "variableType" : "UpdateElasticsearchDomainConfigRequest",
  "documentation" : null,
  "simpleType" : "UpdateElasticsearchDomainConfigRequest",
  "variableSetterType" : "UpdateElasticsearchDomainConfigRequest"
},

"wrapper" : false
},

"UpdateElasticsearchDomainConfigResponse" : {
  "c2jName" : "UpdateElasticsearchDomainConfigResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0,
{
"deprecated" : false,
"documentation" : "<p>The result of an <code>UpdateElasticsearchDomain</code> request. Contains the status
of the Elasticsearch domain being updated.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ 
  { 
    "beanStyleGetterMethodName" : "getDomainConfig",
    "beanStyleSetterMethodName" : "setDomainConfig",
    "c2jName" : "DomainConfig",
    "c2jShape" : "ElasticsearchDomainConfig",
    "defaultConsumerFluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain.
This is a convenience that creates an instance of the { @link ElasticsearchDomainConfig.Builder} avoiding
the need to create one manually via { @link ElasticsearchDomainConfig.Builder#builder()}. When the { @link
Consumer} completes, { @link ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is
passed to { @link ElasticsearchDomainConfig(ElasticsearchDomainConfig)}. @param domainConfig a consumer that will call
methods on { @link ElasticsearchDomainConfig.Builder} @return Returns a reference to this object so that method
calls can be chained together. @see #domainConfig(ElasticsearchDomainConfig)"
  },
  { 
"fluentEnumGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain.
</p>\n@param domainConfig The status of the updated Elasticsearch domain.\n@return Returns a reference to this object so that method
calls can be chained together.
",
"getterDocumentation" : "<p>The status of the updated Elasticsearch domain.\n</p>\n@return The status of the updated Elasticsearch domain.
",
"getterModel" : {
  "returnType" : "ElasticsearchDomainConfig",
  "documentation" : null
}
The status of the updated Elasticsearch domain.

**@param domainConfig**

The status of the updated Elasticsearch domain.

**setterDocumentation** : "\<p\>The status of the updated Elasticsearch domain. \</p\>\"
"xmlNameSpaceUri" : null
]
"membersAsMap" : {
    "DomainConfig" : {
        "beanStyleGetterMethodName" : "getDomainConfig",
        "beanStyleSetterMethodName" : "setDomainConfig",
        "c2jName" : "DomainConfig",
        "c2jShape" : "ElasticsearchDomainConfig",
        "defaultConsumerFluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain.</p>
    }
},
"methodDocumentation" : "This is a convenience that creates an instance of the @link ElasticsearchDomainConfig.Builder avoided the need to create one manually via @link ElasticsearchDomainConfig.Builder()).

When the @link ElasticsearchDomainConfig.Builder completes, @link ElasticsearchDomainConfig.Builder.build() is called immediately and its result is passed to @link ElasticsearchDomainConfig(ElasticsearchDomainConfig).@n

@param domainConfig a consumer that will call methods on @link ElasticsearchDomainConfig.Builder
@n
@return Returns a reference to this object so that method calls can be chained together.
@see #domainConfig(ElasticsearchDomainConfig)
".
    "deprecated" : false,
    "documentation" : "The status of the updated Elasticsearch domain. </p>",
    "endpointDiscoveryId" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainConfig",
    "fluentSetterDocumentation" : "The status of the updated Elasticsearch domain. </p>
    "@param domainConfig The status of the updated Elasticsearch domain.
    @n
    @return Returns a reference to this object so that method calls can be chained together.
    
    "fluentSetterMethodUsedInMSXSDWANServicenPack3.9.0"
    "getterDocumentation" : "The status of the updated Elasticsearch domain. </p>
    "@return The status of the updated Elasticsearch domain.
    
    "getterModel" : {
        "returnType" : "ElasticsearchDomainConfig",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "DomainConfig",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "DomainConfig",
    }
}
The status of the updated Elasticsearch domain.

```
@Param domainConfig
```

The status of the updated Elasticsearch domain.

```
@SetterMethodName "setDomainConfig"
```

```
@BeanStyleSetterMethodName "setDomainConfig"
```

```
@DefaultConsumerFluentSetterDocumentation
```

```
@NonStreamingMembers
```

```
@BeanStyleGetterMethodName "getDomainConfig"
```

```
@C2jName "DomainConfig"
```

```
@C2jShape "ElasticsearchDomainConfig"
```

```
@DefaultConsumerFluentSetterDocumentation
```

This is a convenience that creates an instance of the {ElasticsearchDomainConfig.Builder} avoiding the need to create one manually via {ElasticsearchDomainConfig.Builder#build()}. When the {Consumer} completes, {ElasticsearchDomainConfig.Builder#build()} is called immediately and its result is passed to {ElasticsearchDomainConfig.Builder#build()}.

```
@returns Returns a reference to this object so that method calls can be chained together.
```

```
@see #domainConfig(ElasticsearchDomainConfig)
```
"deprecated" : false,
"documentation" : "<p>The status of the updated Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainConfig",
"fluentSetterDocumentation" : "<p>The status of the updated Elasticsearch domain.</p>
@param domainConfig The status of the updated Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainConfig",
"getterDocumentation" : "<p>The status of the updated Elasticsearch domain.</p>
@return The status of the updated Elasticsearch domain.",
"getterModel" : {
  "returnType" : "ElasticsearchDomainConfig",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainConfig",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainConfig",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "DomainConfig",
"sensitive" : false,
"setterDocumentation" : "<p>The status of the updated Elasticsearch domain.</p>
@param domainConfig The status of the updated Elasticsearch domain.

The status of the updated Elasticsearch domain.",
"setterMethodName" : "setDomainConfig"
"setterModel": {
  "variableDeclarationType": "ElasticsearchDomainConfig",
  "variableName": "domainConfig",
  "variableType": "ElasticsearchDomainConfig",
  "documentation": null,
  "simpleType": "ElasticsearchDomainConfig",
  "variableSetterType": "ElasticsearchDomainConfig"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "ElasticsearchDomainConfig",
  "variableName": "domainConfig",
  "variableType": "ElasticsearchDomainConfig",
  "documentation": "<p>The status of the updated Elasticsearch domain. </p>",
  "simpleType": "ElasticsearchDomainConfig",
  "variableSetterType": "ElasticsearchDomainConfig"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqn": null,
"required": [ "DomainConfig" ],
"shapeName": "UpdateElasticsearchDomainConfigResponse",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "UpdateElasticsearchDomainConfigResponse",
  "variableName": "updateElasticsearchDomainConfigResponse",
  "variableType": "UpdateElasticsearchDomainConfigResponse",
  "documentation": null,
  "simpleType": "UpdateElasticsearchDomainConfigResponse",
  "variableSetterType": "UpdateElasticsearchDomainConfigResponse"
},
"wrapper": false
},
"UpgradeElasticsearchDomainRequest": {
  "c2jName": "UpgradeElasticsearchDomainRequest",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  }
}
"deprecated" : false,
"documentation" : "\p> Container for request parameters to <code>&lt;a&gt;UpgradeElasticsearchDomain&lt;/a&gt;</code> operation. \p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : {
  "action" : "UpgradeElasticsearchDomain",
  "locationName" : null,
  "requestUri" : "/2015-01-01/es/upgradeDomain",
  "target" : null,
  "verb" : "POST",
  "xmlNameSpaceUri" : null
},
"members" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\n\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].\n\n@param domainName a consumer that will call methods on [@link String.Builder]\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #domainName(String)",
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "domainName",
  "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\n\n@param domainName The new value for the DomainName property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n",
  "fluentSetterMethodName" : "domainName",
  "getterDocumentation" : "Returns the value of the DomainName property for this object.\n\n@return The value of the DomainName property for this object.\n"}];
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object.",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": "",
  "simple": false,
  "timestampFormat": null,
  "variable": {
    "variableDeclarationType": "String",
    "variableName": "domainName",
    "variableType": "String",
    "documentation": "",
  }
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}. Returns a reference to this object so that method calls can be chained together.

@return Returns a reference to this object so that method calls can be chained together.
@see #targetVersion(String)",
"deprecated" : false,
"documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",}
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. This is a convenience that creates an instance of the [Boolean.Builder] avoiding the need to create one manually via [Boolean#builder()]. When the [Consumer] completes, [Boolean.Builder#build()] is called immediately and its result is passed to [PerformCheckOnly(Boolean)].

@returns Returns a reference to this object so that method calls can be chained together.

@see #performCheckOnly(Boolean)"
"deprecated" : false,
"documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be
performed. This will not actually perform the Upgrade. 
</p>","endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 
</p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@return Returns a reference to this object so that method calls can be chained together.
"fluentSetterMethodName" : "performCheckOnly",
"getterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 
</p>
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
"getterModel" : {

"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PerformCheckOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PerformCheckOnly",
"uri" : false

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"sensitive" : false,

"setterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. 
</p>
@param performCheckOnly This flag, when set to
True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
  "DomainName" : {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #domainName(String)}.\n@param domainName a consumer that will call methods on { @link String.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n@param domainName The new value for the DomainName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
    "getterMethodName" : "getDomainName",
    "getterModel" : {
      "c2jName" : "DomainName",
      "c2jShape" : "DomainName",
      "xmlNameSpaceUri" : null
    }
  }
}
"fluentSetterMethodName": "domainName",
"getterDocumentation": "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object."
"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "DomainName",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "DomainName",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "DomainName",
"sensitive": false,
"setterDocumentation": "Sets the value of the DomainName property for this object.
@param domainName The new value for the DomainName property for this object.
",
"setterMethodName": "setDomainName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "domainName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String"
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "PerformCheckOnly",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "PerformCheckOnly",
"uri": false
],
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "PerformCheckOnly",
"sensitive": false,
"setterDocumentation": "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"setterMethodName": "setPerformCheckOnly",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "performCheckOnly",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "performCheckOnly",
  "variableType": "Boolean",
  "documentation": "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"TargetVersion": {
  "beanStyleGetterMethodName": "getTargetVersion",  
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlns": "null"}
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade
the domain to.</p>
This is a convenience that creates an instance of the
{@link String.Builder} avoiding the need
to create one manually via
{@link String.Builder#builder()}. When the
{@link Consumer} completes, the
{@link String.Builder#build()} is called immediately and its result is passed to the
{@link #targetVersion(String)}. Return
Returns a reference to this
object so that method calls can be chained together.

@see #targetVersion(String)",
"deprecated" : false,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventType" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain
to.

@parameter targetVersion The version of Elasticsearch that you intend to upgrade the domain to.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain
to.

@return The version of Elasticsearch that you intend to upgrade the domain to.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.",
"setterMethodName" : "setTargetVersion",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "targetVersion",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "targetVersion",
   "variableType" : "String",
   "documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlnsSpaceUri" : null
},

"nonStreamingMembers" : [
   {
      "beanStyleGetterMethodName" : "getDomainName",
      "beanStyleSetterMethodName" : "setDomainName",
      "c2jName" : "DomainName",
      "c2jShape" : "DomainName",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\nThis is a convenience that creates an instance of the [\link String.Builder] avoiding the need to create one manually via [\link String#builder()].\nWhen the [\link Consumer] completes, [\link String.Builder#build()] is called immediately and its result is passed to [\link #domainName(String)].\n@param domainName a consumer that will call methods on [\link String.Builder]\n@return Returns a reference to this object so that method calls can be chained together.\n@see #domainName(String)",
      "deprecated" : false,
      "documentation" : "",
      "endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.
@return The value of the DomainName property for this object.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "DomainName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "DomainName",
"uri" : false
},
?idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.
@param domainName The new value for the DomainName property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setDomainName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "DomainName",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
The version of Elasticsearch that you intend to upgrade the domain to.

This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String#builder()`. When the `Consumer` completes, `String.Builder#build()` is called immediately and its result is passed to `#targetVersion(String)`.

@see #targetVersion(String)

@deprecated

The version of Elasticsearch that you intend to upgrade the domain to.

The version of Elasticsearch that you intend to upgrade the domain to.

The version of Elasticsearch that you intend to upgrade the domain to.

The version of Elasticsearch that you intend to upgrade the domain to.
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"marshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"marshallLocationName" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "The version of Elasticsearch that you intend to upgrade the domain to.
"simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade
Eligibility Check needs to be performed. This will not actually perform the Upgrade.

This is a convenience that creates an instance of the \{@link Boolean.Builder\} avoiding the need to create one manually via \{@link Boolean#builder()\}. When the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #performCheckOnly(Boolean)\}.

@throws RuntimeException when \{@link #performCheckOnly(Boolean)\} is called with a \{@link Boolean\} that is \{@link null\}.

When the \{@link Consumer\} completes, \{@link Boolean.Builder#build()\} is called immediately and its result is passed to \{@link #performCheckOnly(Boolean)\}.

@deprecated

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@param performCheckOnly a consumer that will call methods on \{@link Boolean.Builder\}.

@see #performCheckOnly(Boolean)
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "BOOLEAN",
"name": "PerformCheckOnly",
"sensitive": false,
"setterDocumentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"setterMethodName": "setPerformCheckOnly",
"setterModel": {
  "variableDeclarationType": "Boolean",
  "variableName": "performCheckOnly",
  "variableType": "Boolean",
  "documentation": null,
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "Boolean",
  "variableName": "performCheckOnly",
  "variableType": "Boolean",
  "documentation": "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType": "Boolean",
  "variableSetterType": "Boolean"
},
"xmlNameSpaceUri": null
},
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": [ "DomainName", "TargetVersion" ],
"shapeName": "UpgradeElasticsearchDomainRequest",
"simpleMethod": false,
"unmarshaller": null,
"variable": {
  "variableDeclarationType": "UpgradeElasticsearchDomainRequest",
  "variableName": "upgradeElasticsearchDomainRequest",
  "variableType": "UpgradeElasticsearchDomainRequest",
  "documentation": null,
  "simpleType": "UpgradeElasticsearchDomainRequest",
  "variableSetterType": "UpgradeElasticsearchDomainRequest"
},
"wrapper": false}
"UpgradeElasticsearchDomainResponse" : {
  "c2jName" : "UpgradeElasticsearchDomainResponse",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p> Container for response returned by <code><a>UpgradeElasticsearchDomain</a></code> operation. </p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
  "hasHeaderMember" : false,
  "hasPayloadMember" : false,
  "hasStatusCodeMember" : false,
  "hasStreamingMember" : false,
  "httpStatusCode" : null,
  "marshaller" : null,
  "members" : [ {
    "beanStyleGetterMethodName" : "getDomainName",
    "beanStyleSetterMethodName" : "setDomainName",
    "c2jName" : "DomainName",
    "c2jShape" : "DomainName",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object. This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()]. When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #domainName(String)].

    @param domainName The new value for the DomainName property for this object.
    @return Returns a reference to this object so that method calls can be chained together. 
    @see #domainName(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "domainName",
    "fluentSetterDocumentation" : "Sets the value of the DomainName property for this object. The new value for the DomainName property for this object. 
    @param domainName The new value for the DomainName property for this object. 
    @return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "domainName",
  } ]}
"getterDocumentation" : "Returns the value of the DomainName property for this object.\n\n@return The value of the DomainName property for this object.",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object."
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName"}
"variableType": "String",
"documentation": "",
"simpleType": "String",
"variableSetterType": "String"
},
"xmlNameSpaceUri": null
],
"beanStyleGetterMethodName": "getTargetVersion",
"beanStyleSetterMethodName": "setTargetVersion",
"c2jName": "TargetVersion",
"c2jShape": "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #targetVersion(String)}.<p>@param targetVersion a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #targetVersion(String)",
"deprecated": false,
"documentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "targetVersion",
"fluentSetterMethodName": "targetVersion",
"getterDocumentation": "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@return The version of Elasticsearch that you intend to upgrade the domain to.@return Returns a reference to this object so that method calls can be chained together.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "TargetVersion",
"queryString": false,
The version of Elasticsearch that you intend to upgrade the domain to.

**Method Name**: setTargetVersion

**Setter Method Name**: setTargetVersion

**Setter Documentation**: The version of Elasticsearch that you intend to upgrade the domain to.

**Java Code**:

```java
}@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.

/**
 * This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
 * @return Returns a reference to this object so that method calls can be chained together.
 */
```

This is a convenience that creates an instance of the [link Boolean.Builder] avoiding the need to create one manually via [link Boolean#builder()].

When the [link Consumer] completes, [link Boolean.Builder#build()] is called immediately and its result is passed to [link #performCheckOnly(Boolean)].

@see #performCheckOnly(Boolean)
"deprecated" : false,
"documentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "null",
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "PerformCheckOnly",
"fluentSetterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \n@\param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.\n@\return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "PerformCheckOnly",
"getterDocumentation" : "This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. \n@\return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"getterModel" : {
	"returnType" : "Boolean",
	"documentation" : null
},
"http" : {
	"additionalMarshallingPath" : null,
	"additionalUnmarshallingPath" : null,
	"flattened" : false,
	"greedy" : false,
	"header" : false,
	"isPayload" : false,
	"isStreaming" : false,
	"location" : null,
	"marshallLocation" : "PAYLOAD",
	"marshallLocationName" : "PerformCheckOnly",
	"queryString" : false,
	"statusCode" : false,
	"unmarshallLocationName" : "PerformCheckOnly",
	"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"sensitive" : false,
This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@see #domainName(String)
domainName The new value for the DomainName property for this object.

@returns Returns a reference to this object so that method calls can be chained together.

"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.

The value of the DomainName property for this object.
",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "DomainName",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "DomainName",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.

The new value for the DomainName property for this object.
",
"setterMethodName" : "setDomainName",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "domainName",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"PerformCheckOnly" : {
  "beanStyleGetterMethodName" : "getPerformCheckOnly",
  "beanStyleSetterMethodName" : "setPerformCheckOnly",
  "c2jName" : "PerformCheckOnly",
  "c2jShape" : "Boolean",
  "defaultConsumerFluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>This is a convenience that creates an instance of the [@link Boolean.Builder] avoiding the need to create one manually via [@link Boolean#builder()]. When the [@link Consumer] completes, [@link Boolean.Builder#build()] is called immediately and its result is passed to [@link #performCheckOnly(Boolean)].

@returns A reference to this object so that method calls can be chained together.
@since @see #performCheckOnly(Boolean)",
  "deprecated" : false,
  "documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "performCheckOnly",
  "fluentSetterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@returns A reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "performCheckOnly",
  "getterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
@returns A reference to this object so that method calls can be chained together.",
  "getterModel" : {
    "returnType" : "Boolean",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PerformCheckOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PerformCheckOnly",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "BOOLEAN",
"name" : "PerformCheckOnly",
"sensitive" : false,
"setterDocumentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
@param performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.",
"setterMethodName" : "setPerformCheckOnly",
"setterModel" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : null,
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Boolean",
  "variableName" : "performCheckOnly",
  "variableType" : "Boolean",
  "documentation" : "<p> This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
  "simpleType" : "Boolean",
  "variableSetterType" : "Boolean"
},
"xmlNameSpaceUri" : null}
"TargetVersion" : {
  "beanStyleGetterMethodName" : "getTargetVersion",
  "beanStyleSetterMethodName" : "setTargetVersion",
  "c2jName" : "TargetVersion",
  "c2jShape" : "ElasticsearchVersionString",
  "defaultConsumerFluentSetterDocumentation" : "\n  The version of Elasticsearch that you intend to upgrade the domain to.\n  This is a convenience that creates an instance of the \n  \n  @link String.Builder \n  avoiding the need to create one manually via \n  \n  @link String#builder() \n  \n  When the \n  \n  @link Consumer \n  completes, \n  \n  @link String.Builder#build() \n  \n  is called immediately and its result is passed to \n  \n  @link #targetVersion(String) \n  \n  @param targetVersion a consumer that will call methods on \n  \n  String.Builder \n  \n  @return Returns a reference to this object so that method calls can be chained together.
  \n  @see #targetVersion(String)",
  "deprecated" : false,
  "documentation" : "\n  The version of Elasticsearch that you intend to upgrade the domain to.\n  ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "targetVersion",
  "fluentSetterDocumentation" : "\n  The version of Elasticsearch that you intend to upgrade the domain to.\n  
  @param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.\n  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "targetVersion",
  "getterDocumentation" : "\n  The version of Elasticsearch that you intend to upgrade the domain to.\n  
  @return The version of Elasticsearch that you intend to upgrade the domain to.",
  "getterModel" : {
    "returnType" : "String",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "TargetVersion",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "TargetVersion",
    "uri" : false
  },
  "idempotencyToken" : false,
  "isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to."
,"setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
 },
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getDomainName",
  "beanStyleSetterMethodName" : "setDomainName",
  "c2jName" : "DomainName",
  "c2jShape" : "DomainName",
  "defaultConsumerFluentSetterDocumentation" : "Sets the value of the DomainName property for this object.
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, the String.Builder#build() is called immediately and its result is passed to the consumer that will call methods on the String.Builder.\n\n@see #domainName(String)"
},
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "domainName",
"fluentSetterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "domainName",
"getterDocumentation" : "Returns the value of the DomainName property for this object.\n\n@return The value of the DomainName property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "DomainName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "DomainName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "DomainName",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the DomainName property for this object.\n\n@param domainName The new value for the DomainName property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setDomainName",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "domainName",
  "variableType" : "String",
  "documentation" : null
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "domainName",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}, { 
"beanStyleGetterMethodName" : "getTargetVersion",
"beanStyleSetterMethodName" : "setTargetVersion",
"c2jName" : "TargetVersion",
"c2jShape" : "ElasticsearchVersionString",
"defaultConsumerFluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via [ @link String#builder()].

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #targetVersion(String)].

@param targetVersion a consumer that will call methods on [ @link String.Builder]
@return Returns a reference to this object so that method calls can be chained together.
@see #targetVersion(String)",
"deprecated" : false,
"documentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "targetVersion",
"fluentSetterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "targetVersion",
"getterDocumentation" : "<p>The version of Elasticsearch that you intend to upgrade the domain to.</p>
@return The version of Elasticsearch that you intend to upgrade the domain to.",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "TargetVersion",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "TargetVersion",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "TargetVersion",
"sensitive" : false,
"setterDocumentation" : "\pThe version of Elasticsearch that you intend to upgrade the domain to.\n\p\n\p@param targetVersion The version of Elasticsearch that you intend to upgrade the domain to.\n",
"setterMethodName" : "setTargetVersion",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "targetVersion",
  "variableType" : "String",
  "documentation" : "\pThe version of Elasticsearch that you intend to upgrade the domain to.\n",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlnsNameSpaceUri" : null
},
{ "beanStyleGetterMethodName" : "getPerformCheckOnly",
"beanStyleSetterMethodName" : "setPerformCheckOnly",
"c2jName" : "PerformCheckOnly",
}
"c2jShape" : "Boolean",
"defaultConsumerFluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. This is a convenience that creates an instance of the {@link Boolean.Builder} avoiding the need to create one manually via {@link Boolean.Builder#builder}().
When the {@link Consumer} completes, {@link Boolean.Builder#build}() is called immediately and its result is passed to {@link #performCheckOnly(Boolean)}. @return Returns a reference to this object so that method calls can be chained together. @param performCheckOnly a consumer that will call methods on {@link Boolean.Builder}.

@see #performCheckOnly(Boolean)"
"deprecated" : false,
"documentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>",
"endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "performCheckOnly",
"fluentSetterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>
"performCheckOnly This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. @return Returns a reference to this object so that method calls can be chained together.

@see #performCheckOnly(Boolean)"
"gettersettersMethodNames" : "performCheckOnly",
"getterDocumentation" : "<p>This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade. </p>

@return This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

@see #performCheckOnly(Boolean)"
"getterModel" : {
"returnType" : "Boolean",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "PerformCheckOnly",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "PerformCheckOnly",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.

This flag, when set to True, indicates that an Upgrade Eligibility Check needs to be performed. This will not actually perform the Upgrade.
"simpleType" : "UpgradeElasticsearchDomainResponse",
"variableSetterType" : "UpgradeElasticsearchDomainResponse"
},
"wrapper" : false
},
"UpgradeHistory" : {
"c2jName" : "UpgradeHistory",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>History of the last 10 Upgrades and Upgrade Eligibility Checks.</p>",
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshallers" : [
"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : 
"<p>A string that describes the update briefly</p>

This is a convenience that creates an instance of the {link String.Builder} avoiding the need to create one manually via
{link String#builder()}. When the {link Consumer} completes, {link String.Builder#build()} is called immediately and its result is passed to
{link #upgradeName(String)}. @param upgradeName a consumer that will call methods on
{link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #upgradeName(String)
",
"deprecated" : false,
"documentation" : "<p>A string that describes the update briefly</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "A string that describes the update briefly.<p>@param upgradeName A string that describes the update briefly<br>@return Returns a reference to this object so that method calls can be chained together."
,"fluentSetterMethodName" : "upgradeName",
"getterDocumentation" : "A string that describes the update briefly.<p>@return A string that describes the update briefly",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeName",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeName",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName",
"sensitive" : false,
"setterDocumentation" : "A string that describes the update briefly.<p>@param upgradeName A string that describes the update briefly",
"setterMethodName" : "setUpgradeName",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeName",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeName",
  "variableType" : "String",
  "documentation" : "<p>A string that describes the update briefly</p>",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
  "beanStyleGetterMethodName" : "getStartTimestamp",
  "beanStyleSetterMethodName" : "setStartTimestamp",
  "c2jName" : "StartTimestamp",
  "c2jShape" : "StartTimestamp",
  "defaultConsumerFluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p> This is a convenience that creates an instance of the \{@link Instant.Builder\} avoiding the need to create one manually via \{@link Instant.Builder#builder()\}. When the \{@link Consumer\} completes, \{@link Instant.Builder#build()\} is called immediately and its result is passed to \{@link #startTimestamp(Instant)\}. The \@param startTimestamp a consumer that will call methods on \{@link Instant.Builder\}\@return Returns a reference to this object so that method calls can be chained together.\@see #startTimestamp(Instant)",
  "deprecated" : false,
  "documentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "startTimestamp",
  "fluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>
  @param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.
  @return Returns a reference to this object so that method calls can be chained together.",
  "fluentSetterMethodName" : "startTimestamp",
  "getterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>\@return Returns a reference to this object so that method calls can be chained together.",
  "getterMethodSignature" : "startTimestamp",
  "getterModel" : {
    "returnType" : "java.time.Instant",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
"isPayload" : false,
"isStreaming" : false,
"marshallerLocation" : "PAYLOAD",
"marshallerLocationName" : "StartTimestamp",
"queryString" : false,
"statusCode" : false,
"unmarshallerLocationName" : "StartTimestamp",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTimestamp",
"sensitive" : false,
"setterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>
@param startTimestamp UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.",
"setterMethodName" : "setStartTimestamp",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTimestamp",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTimestamp",
  "variableType" : "java.time.Instant",
  "documentation" : "<p>UTC Timestamp at which the Upgrade API call was made in "yyyy-MM-ddTHH:mm:ssZ" format.</p>",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getUpgradeStatusAsString",
"beanStyleSetterMethodName" : "setUpgradeStatus",
"c2jName" : "UpgradeStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "<p> The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.builder()}. When the Consumer completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #upgradeStatusAsString(String)}. @param upgradeStatus a consumer that will call methods on String.Builder@return Returns a reference to this object so that method calls can be chained together.@see #upgradeStatus(String)",
"deprecated" : false,
"documentation" : "<p> The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul></p>

@endpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStatus",
"fluentEnumSetterMethodName" : "upgradeStatus",
"fluentGetterMethodName" : "upgradeStatusAsString",
"fluentSetterDocumentation" : "<p> The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>This is a convenience that creates an instance of the String.Builder avoiding the need to create one manually via String.builder(). When the Consumer completes, String.Builder#build() is called immediately and its result is passed to #upgradeStatusAsString(). @param upgradeStatus a consumer that will call methods on String.Builder@return Returns a reference to this object so that method calls can be chained together.@see UpgradeStatus"
"getterDocumentation" : "<p> The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>If the service returns an enum value that is not available in the current SDK version, #upgradeStatus will return #UNKNOWN_TO_SDK_VERSION. The raw value returned by the service is available from #upgradeStatusAsString(). @return The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>@see UpgradeStatus",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "UpgradeStatus",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UpgradeStatus",
"uri": false
},

"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeStatus",
" sensitive": false,
"setterDocumentation": "<p> The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>
@param upgradeStatus The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@see UpgradeStatus",

"setterMethodName": "setUpgradeStatus",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStatus",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},

"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStatus",
  "variableType": "String",
  "documentation": "<p> The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>
",
  "variableSetterType": "String"
},

"xmlnsSpaceUri": null
},

"beanStyleGetterMethodName": "getStepsList",
"beanStyleSetterMethodName": "setStepsList",
"c2jName": "StepsList",
"c2jShape": "UpgradeStepsList",
"defaultConsumerFluentSetterDocumentation": "<p> A list of <code><a>UpgradeStepItem</a></code>\n</p>"
representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

This is a convenience that creates an instance of the `List<UpgradeStepItem> Builder` avoiding the need to create one manually via `#builder()`. When the `Consumer` completes, `#stepsList(List<UpgradeStepItem> Builder)` is called immediately and its result is passed to `#stepsList a consumer that will call methods on `.
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeStepItem",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
    object. This is a convenience that creates an instance of the
    { @link UpgradeStepItem.Builder} avoiding the need
    to create one manually via { @link UpgradeStepItem.Builder#builder()}. When the
    { @link Consumer} completes,
    { @link UpgradeStepItem.Builder#build()} is called immediately and its result is passed to
    { @link UpgradeStepItem.Builder}.
    @param member a consumer that will call methods on
    { @link UpgradeStepItem.Builder}
    @return Returns a reference to this object so that method calls can be chained
together.
    @see #member(UpgradeStepItem)",
  "deprecated" : false,
  "documentation" : ""
},
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
    The new value for the Member property for this object.
    @param member
    @return Returns a reference to this object so that method calls can be chained together.
    
    @fluentSetterMethodName" : "member",
  "getterDocumentation" : "Returns the value of the Member property for this object.
    @return The value of the Member property for this object.
    
    @getterModel" : {
    "returnType" : "UpgradeStepItem",
    "documentation" : null
  },
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
}
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "UpgradeStepItem",
"variableName" : "member",
"variableType" : "UpgradeStepItem",
"documentation" : null,
"simpleType" : "UpgradeStepItem",
"variableSetterType" : "UpgradeStepItem"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "UpgradeStepItem",
"variableName" : "member",
"variableType" : "UpgradeStepItem",
"documentation" : "",
"simpleType" : "UpgradeStepItem",
"variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>"
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StepsList",
"setterDocumentation": "A list of \(<a>UpgradeStepItem</a>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. \(</code>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. \(</code>\).",
"setterMethodName": "setStepsList",
"setterModel": {
"variableDeclarationType": "java.util.List<UpgradeStepItem>",
"variableName": "stepsList",
"variableType": "java.util.List<UpgradeStepItem>",
"documentation": null,
"simpleType": "List<UpgradeStepItem>",
"variableSetterType": "java.util.Collection<UpgradeStepItem>"
},
"simple": false,
"setterMethodName": "setStepsList",
"setterModel": {
"variableDeclarationType": "java.util.List<UpgradeStepItem>",
"variableName": "stepsList",
"variableType": "java.util.List<UpgradeStepItem>",
"documentation": null,
"simpleType": "List<UpgradeStepItem>",
"variableSetterType": "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri": null
}
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "StepsList",
"setterDocumentation": "A list of \(<a>UpgradeStepItem</a>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. \(</code>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. \(</code>\).",
"setterMethodName": "setStepsList",
"setterModel": {
"variableDeclarationType": "java.util.List<UpgradeStepItem>",
"variableName": "stepsList",
"variableType": "java.util.List<UpgradeStepItem>",
"documentation": null,
"simpleType": "List<UpgradeStepItem>",
"variableSetterType": "java.util.Collection<UpgradeStepItem>"
},
"simple": false,
"setterMethodName": "setStepsList",
"setterModel": {
"variableDeclarationType": "java.util.List<UpgradeStepItem>",
"variableName": "stepsList",
"variableType": "java.util.List<UpgradeStepItem>",
"documentation": null,
"simpleType": "List<UpgradeStepItem>",
"variableSetterType": "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri": null
}
],
"membersAsMap": {
"StartTimestamp": {
"beanStyleGetterMethodName": "getStartTimestamp",
"beanStyleSetterMethodName": "setStartTimestamp",
"c2jName": "StartTimestamp",
"c2jShape": "StartTimestamp",
"defaultConsumerFluentSetterDocumentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format. \(</code>\) This is a convenience that creates an instance of the \(<@link Instant.Builder>\) avoiding the need to create one manually via \(<@link Instant#builder()>\). \(</code>\)When the \(<@link Instant.Consumer>\) completes, \(<@link Instant.Builder#build()>\) is called immediately and its result is passed to \(<@link #startTimestamp(Instant)>\) \(<@param startTimestamp(Instant)>\) a consumer that will call methods on \(<@link Instant.Builder>\) \(<@return>\) Returns a reference to this object so that method calls can be chained together. \(</code>\) \(<@see #startTimestamp(Instant)>\),
"deprecated": false,
"documentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format. \(</code>\),
"xmlNameSpaceUri": null
}
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "startTimestamp",
"fluentSetterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p><p>@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p><p>\n@return Returns a reference to this object so that method calls can be chained together.</p>.
"fluentSetterMethodName" : "startTimestamp",
"getterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p><p>@return UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>.
"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StartTimestamp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StartTimestamp",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTimestamp",
"sensitive" : false,
"setterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p><p>@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>.
"setterMethod" : "startTimestamp",
"sensitive" : false,
"setterModel" : null,
"setterModelType" : "java.time.Instant",
"setterMethodName" : "startTimestamp",
"setterName" : "StartTimestamp",
"setterPayload" : false,
"setterMethodName" : "setStartTimestamp",
"setterModel" : {
    "variableDeclarationType" : "java.time.Instant",
    "variableName" : "startTimestamp",
    "variableType" : "java.time.Instant",
    "documentation" : null,
    "simpleType" : "Instant",
    "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.time.Instant",
    "variableName" : "startTimestamp",
    "variableType" : "java.time.Instant",
    "documentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p",
    "simpleType" : "Instant",
    "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},
"StepsList" : {
    "beanStyleGetterMethodName" : "getStepsList",
    "beanStyleSetterMethodName" : "setStepsList",
    "c2jName" : "StepsList",
    "c2jShape" : "UpgradeStepsList",
    "defaultConsumerFluentSetterDocumentation" : "<p>A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. This is a convenience that creates an instance of the {@link List<UpgradeStepItem>:Builder} avoiding the need to create one manually via {@link List<UpgradeStepItem>#builder()}.When the {@link Consumer} completes, [@link List<UpgradeStepItem>:Builder#build()] is called immediately and its result is passed to [@link stepsList(List<UpgradeStepItem>)].
@param stepsList a consumer that will call methods on [@link List<UpgradeStepItem>:Builder]@return Returns a reference to this object so that method calls can be chained together.@see stepsList(List<UpgradeStepItem>)",
    "deprecated" : false,
    "documentation" : "<p>A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.</p>",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "stepsList",
    "fluentSetterDocumentation" : "<p>A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.</p>
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "stepsList",
    "fluentSetterDocumentation" : "<p>A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.</p>
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "stepsList",
    "fluentSetterDocumentation" : "<p>A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.</p>"},
as part of a specific Upgrade or Upgrade Eligibility Check.

```
@return Returns a reference to this object so that method calls can be chained together.
```

```
"fluentSetterMethodName" : "stepsList",
"getterDocumentation" : "<p>A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p><p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>

@return A list of <code><a>UpgradeStepItem</a></code>s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.
```

getterModel" : {
    "returnType" : "java.util.List<UpgradeStepItem>",
    "documentation" : null
},

```
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StepsList",
  "queryString" : false,
  "unmarshallLocationName" : "StepsList",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
   "implType" : "java.util.ArrayList",
   "interfaceType" : "java.util.List",
   "listMemberModel" : {
      "beanStyleGetterMethodName" : "getMember",
      "beanStyleSetterMethodName" : "setMember",
      "c2jName" : "member",
      "c2jShape" : "UpgradeStepItem",
      "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [{link UpgradeStepItem.Builder}] avoiding the need to create one manually via [{link UpgradeStepItem#builder}].

When the [{link Consumer}] completes, [{link UpgradeStepItem.Builder#build}] is called immediately and its result is passed to [{link #member(UpgradeStepItem)}].

@return Returns a reference to this object so that method calls can be chained together.
@see #member(UpgradeStepItem)
"
   },
   "deprecated" : false,
};
"documentation" : "", "endpointDiscoveryId" : false, "enumType" : null, "eventHeader" : false, "eventPayload" : false, "fluentEnumGetterMethodName" : null, "fluentEnumSetterMethodName" : null, "fluentGetterMethodName" : "member", "fluentSetterDocumentation" : "Sets the value of the Member property for this object."

The new value for the Member property for this object.

@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel" : {
 "returnType" : "UpgradeStepItem",
 "documentation" : null
},
"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "member",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "member",
 "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object."

@param member

The new value for the Member property for this object.

@return The value of the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "UpgradeStepItem",
"variableName" : "member",
"variableType" : "UpgradeStepItem",
"documentation" : null,
"simpleType" : "UpgradeStepItem",
"variableSetterType" : "UpgradeStepItem"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "UpgradeStepItem",
"variableName" : "member",
"variableType" : "UpgradeStepItem",
"documentation" : "",
"simpleType" : "UpgradeStepItem",
"variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. </p>
@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.
"setterMethodName" : "setStepsList",
"setterModel" : {
"variableDeclarationType" : "java.util.List<UpgradeStepItem>",
"variableName" : "stepsList",
"variableType" : "java.util.List<UpgradeStepItem>",
"documentation" : null,
"simpleType" : "List<UpgradeStepItem>",
"variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"simple" : false,
A list of UpgradeStepItem\(</code>\)\(</code>\)s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.\(</p>\)

\(\text{timestampFormat} : \text{null},\)

\(\text{variable} : \{\)

\(\text{variableDeclarationType} : \text{java.util.List<UpgradeStepItem>},\)

\(\text{variableName} : \text{stepsList},\)

\(\text{variableType} : \text{java.util.List<UpgradeStepItem>},\)

\(\text{documentation} : \text{"<p> A list of \(\text{UpgradeStepItem}</a>\)\(</code>\) s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. \(</p>\)"},\)

\(\text{simpleType} : \text{"List<UpgradeStepItem>"},\)

\(\text{variableSetterType} : \text{"java.util.Collection<UpgradeStepItem>"}\)

\}

\(\text{xmlNameSpaceUri} : \text{null}\)

\}

\(\text{UpgradeName} : \{\)

\(\text{beanStyleGetterMethodName} : \text{getUpgradeName},\)

\(\text{beanStyleSetterMethodName} : \text{setUpgradeName},\)

\(\text{c2jName} : \text{UpgradeName},\)

\(\text{c2jShape} : \text{UpgradeName},\)

\(\text{defaultConsumerFluentSetterDocumentation} : \text{"<p>A string that describes the update briefly</p>\nThis is a convenience that creates an instance of the \{@link String.Builder\} avoiding the need to create one manually via \{@link String#builder()\}.\n\nWhen the \{@link Consumer\} completes, \{@link String.Builder#build()\} is called immediately and its result is passed to \{@link #upgradeName(String)\}\.\n\n@Retention(\text{param upgradeName} A consumer that will call methods on \{@link String.Builder\}\@return Returns a reference to this object so that method calls can be chained together.\@see #upgradeName(String)\"},\)

\(\text{deprecated} : \text{false},\)

\(\text{documentation} : \text{"<p>A string that describes the update briefly</p>"},\)

\(\text{endpointDiscoveryId} : \text{false},\)

\(\text{enumType} : \text{null},\)

\(\text{eventHeader} : \text{false},\)

\(\text{eventPayload} : \text{false},\)

\(\text{flattened} : \text{false},\)

\(\text{http} : \{\)

\(\text{additionalMarshallingPath} : \text{null},\)

\(\text{additionalUnmarshallingPath} : \text{null},\)

\(\text{flattened} : \text{false},\)

\(\text{greedy} : \text{false},\)

\(\text{header} : \text{false},\)

\}
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "UpgradeName",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "UpgradeName",
"uri": false
],
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "UpgradeName",
"sensitive": false,
"setterDocumentation": "<p>A string that describes the update briefly</p>
@param upgradeName A string that describes the update briefly",
"setterMethodName": "setUpgradeName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": "<p>A string that describes the update briefly</p>",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"UpgradeStatus": {
  "beanStyleGetterMethodName": "getUpgradeStatusAsString",
  "beanStyleSetterMethodName": "setUpgradeStatus",
  "c2jName": "UpgradeStatus",
  "c2jShape": "UpgradeStatus"}
"defaultConsumerFluentSetterDocumentation" : "<p>The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the (@link Consumer) completes, (@link String.Builder#build()) is called immediately and its result is passed to (@link #upgradeStatusAsString(String)). @param upgradeStatus a consumer that will call methods on (@link String.Builder). @return Returns a reference to this object so that method calls can be chained together.<br />@see #upgradeStatus(String)"
  
  "deprecated" : false,
  "documentation" : "The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStatus",
  "fluentEnumSetterMethodName" : "upgradeStatus",
  "fluentGetterMethodName" : "upgradeStatusAsString",
  "fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
@endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStatus",
  "fluentEnumSetterMethodName" : "upgradeStatus",
  "fluentGetterMethodName" : "upgradeStatusAsString",
  "fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
T<br />he service returns an enum value that is not available in the current SDK version, { @link #upgradeStatus } will return { @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION }. The raw value returned by the service is available from { @link #upgradeStatusAsString }.
</p>
@return The overall status of the update. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStatus",
  "queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStatus",
"sensitive" : false,
"setterDocumentation" : "The overall status of the update. The status can take one of the following values:
@see UpgradeStatus",
"setterMethodName" : "setUpgradeStatus",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeStatus",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "upgradeStatus",
"variableType" : "String",
"documentation" : "The overall status of the update. The status can take one of the following values:
@see UpgradeStatus",
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
"beanStyleGetterMethodName" : "getUpgradeName",
"beanStyleSetterMethodName" : "setUpgradeName",
"c2jName" : "UpgradeName",
"c2jShape" : "UpgradeName",
"defaultConsumerFluentSetterDocumentation" : "A string that describes the update briefly</p>

This is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via
When the Consumer completes, String.Builder.build() is called immediately and its result is passed to #upgradeName(String) a consumer that will call methods on String.Builder

@link String#builder()

@returns Returns a reference to this object so that method calls can be chained together.

@see #upgradeName(String)

"deprecated" : false,
"documentation" : "A string that describes the update briefly",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "upgradeName",
"fluentSetterDocumentation" : "A string that describes the update briefly",
"getterDocumentation" : "A string that describes the update briefly",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeName",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeName",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeName"
"setter": false,
"setterDocumentation": "A string that describes the update briefly",
"setterMethodName": "setUpgradeName",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
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"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeName",
  "variableType": "String",
  "documentation": "A string that describes the update briefly",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlnsSpaceUri": null,
},
"beanStyleGetterMethodName": "getStartTimestamp",
"beanStyleSetterMethodName": "setStartTimestamp",
"c2jName": "StartTimestamp",
"c2jShape": "StartTimestamp",
"defaultConsumerFluentSetterDocumentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\nThis is a convenience that creates an instance of the \{ @link Instant.Builder \} avoiding the need to create one manually via \{ @link Instant#builder() \}.\n\nWhen the \{ @link Consumer \} completes, \{ @link Instant.Builder#build() \} is called immediately and its result is passed to \{ @link #startTimestamp(Instant) \}.\n\n@link Instant.Builder\n@return Returns a reference to this object so that method calls can be chained together.\n@see #startTimestamp(Instant)",
"deprecated": false,
"documentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\nendpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "startTimestamp",
"fluentSetterDocumentation": "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n\n@link Instant.Builder\n@return Returns a reference to this object so that method calls can be
chained together.

"fluentSetterMethodName" : "startTimestamp",
"getterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>\n@return UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.",
"getterModel" : {
  "returnType" : "java.time.Instant",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "StartTimestamp",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "StartTimestamp",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "INSTANT",
"name" : "StartTimestamp",
"sensitive" : false,
"setterDocumentation" : "<p>UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.</p>\n@param startTimestamp UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.",
"setterMethodName" : "setStartTimestamp",
"setterModel" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTimestamp",
  "variableType" : "java.time.Instant",
  "documentation" : null,
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.time.Instant",
  "variableName" : "startTimestamp",
  "variableType" : "java.time.Instant",
  "documentation" : "UTC Timestamp at which the Upgrade API call was made in \"yyyy-MM-ddTHH:mm:ssZ\" format.\n",
  "simpleType" : "Instant",
  "variableSetterType" : "java.time.Instant"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getUpgradeStatusAsString",
"beanStyleSetterMethodName" : "setUpgradeStatus",
"c2jName" : "UpgradeStatus",
"c2jShape" : "UpgradeStatus",
"defaultConsumerFluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: \n<li>In Progress</li> \n<li>Succeeded</li> \n<li>Succeeded with Issues</li> \n<li>Failed</li> </ul>\nThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].\nWhen the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link UpgradeStatusAsString(String)]\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus(String)",
"deprecated" : false,
"documentation" : "The overall status of the update. The status can take one of the following values: \n<ul> \n<li>In Progress</li> \n<li>Succeeded</li> \n<li>Succeeded with Issues</li> \n<li>Failed</li> \n</ul>\nendpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStatus",
"fluentEnumSetterMethodName" : "upgradeStatus",
"fluentGetterMethodName" : "upgradeStatusAsString",
"fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: \n<ul> \n<li>In Progress</li> \n<li>Succeeded</li> \n<li>Succeeded with Issues</li> \n<li>Failed</li> \n</ul>\nendpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStatus",
"fluentEnumSetterMethodName" : "upgradeStatus",
"fluentGetterMethodName" : "upgradeStatusAsString",
"fluentSetterDocumentation" : "The overall status of the update. The status can take one of the following values: \n<ul> \n<li>In Progress</li> \n<li>Succeeded</li> \n<li>Succeeded with Issues</li> \n<li>Failed</li> \n</ul>\nIf the service returns an enum value that is not available in the current SDK version, [@link UpgradeStatus] will return [@link UpgradeStatus#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link UpgradeStatusAsString].\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus",
"getterDocumentation" : "The overall status of the update. The status can take one of the following values: \n<ul> \n<li>In Progress</li> \n<li>Succeeded</li> \n<li>Succeeded with Issues</li> \n<li>Failed</li> \n</ul>\nendpointDiscoveryId" : false,
"getterModel" : {
   "returnType" : "String",
   "documentation" : null
 },
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "UpgradeStatus",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "UpgradeStatus",
   "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStatus",
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "upgradeStatus",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
 },
"setterDocumentation" : "<p> The overall status of the update. The status can take one of the following values:
   <ul>
      <li>In Progress</li>
      <li>Succeeded</li>
      <li>Succeeded with Issues</li>
      <li>Failed</li>
   </ul>
   @param upgradeStatus The overall status of the update. The status can take one of the following values:
   @see UpgradeStatus",
   "setterMethodName" : "setUpgradeStatus",
   "setterModel" : {
      "variableDeclarationType" : "String",
      "variableName" : "upgradeStatus",
      "variableType" : "String",
      "documentation" : null,
      "simpleType" : "String",
      "variableSetterType" : "String"
   },
   "simple" : true,
   "timestampFormat" : null,
   "variable" : {
      "variableDeclarationType" : "String",
      "variableName" : "upgradeStatus",
      "variableType" : "String",
      "documentation" : null,
      "simpleType" : "String",
      "variableSetterType" : "String"
   }
}
"variableType" : "String",
"documentation" : "The overall status of the update. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
],
  "beanStyleGetterMethodName" : "getStepsList",
  "beanStyleSetterMethodName" : "setStepsList",
  "c2jName" : "StepsList",
  "c2jShape" : "UpgradeStepsList",
  "defaultConsumerFluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. This is a convenience that creates an instance of the {@link List<UpgradeStepItem>.Builder} avoiding the need to create one manually via {@link List<UpgradeStepItem>#builder()}. When the {@link Consumer} completes, {@link List<UpgradeStepItem>.Builder#build()} is called immediately and its result is passed to {@link #stepsList(List<UpgradeStepItem>)}. @param stepsList a consumer that will call methods on {@link List<UpgradeStepItem>.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #stepsList(List<UpgradeStepItem>)",
  "deprecated" : false,
  "documentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.

@endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "stepsList",
"fluentSetterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. @param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check.@return Returns a reference to this object so that method calls can be chained together."

,"getterSetterMethodName" : "stepsList",
"getterDocumentation" : "A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException. @return A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check."

,"returnModel" : {
  "returnType" : "java.util.List<UpgradeStepItem>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
null, "marshallLocation" : "PAYLOAD", "marshallLocationName" : "StepsList", "queryString" : false, "statusCode" : false, "unmarshallLocationName" : "StepsList", "uri" : false,
}, "idempotencyToken" : false, "isBinary" : false, "jsonValue" : false, "list" : true, "listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "UpgradeStepItem",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the [ @link UpgradeStepItem.Builder ] avoiding the need to create one manually via [ @link UpgradeStepItem#builder() ]. When the [ @link Consumer ] completes, [ @link UpgradeStepItem.Builder#build() ] is called immediately and its result is passed to [ @link #member(UpgradeStepItem) ].
@param member a consumer that will call methods on [ @link UpgradeStepItem.Builder ]
@return Returns a reference to this object so that method calls can be chained together.
@see #member(UpgradeStepItem)", "deprecated" : false,
  "documentation" : ",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "member",
  "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.\n\n@returns {UpgradeStepItem} The value of the Member property for this object.",
  "getterModel" : 
}
"variableSetterType" : "UpgradeStepItem"
},
"xmlNameSpaceUri" : null
],
"memberLocationName" : null,
"memberType" : "UpgradeStepItem",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : false,
"simpleType" : "UpgradeStepItem",
"templateImplType" : "java.util.ArrayList<UpgradeStepItem>",
"templateType" : "java.util.List<UpgradeStepItem>")
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "StepsList",
"sensitive" : false,
"setterDocumentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. 

@param stepsList A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. 

"setterMethodName" : "setStepsList",
"setterModel" : {
"variableDeclarationType" : "java.util.List<UpgradeStepItem>",
"variableName" : "stepsList",
"variableType" : "java.util.List<UpgradeStepItem>",
"documentation" : null,
"simpleType" : "List<UpgradeStepItem>",
"variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<UpgradeStepItem>",
"variableName" : "stepsList",
"variableType" : "java.util.List<UpgradeStepItem>",
"documentation" : "<p> A list of <code> <a>UpgradeStepItem</a> </code> s representing information about each step performed as part of a specific Upgrade or Upgrade Eligibility Check. 

"simpleType" : "List<UpgradeStepItem>",
"variableSetterType" : "java.util.Collection<UpgradeStepItem>"
},
"xmlNameSpaceUri" : null
] ]},
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName": "UpgradeHistory",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "UpgradeHistory",
  "variableName": "upgradeHistory",
  "variableType": "UpgradeHistory",
  "documentation": null,
  "simpleType": "UpgradeHistory",
  "variableSetterType": "UpgradeHistory"
},
"wrapper": false
},
"UpgradeStatus": {
  "c2jName": "UpgradeStatus",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "",
  "endpointDiscovery": null,
  "enums": [
    {
      "name": "IN_PROGRESS",
      "value": "IN_PROGRESS"
    },
    {
      "name": "SUCCEEDED",
      "value": "SUCCEEDED"
    },
    {
      "name": "SUCCEEDED_WITH_ISSUES",
      "value": "SUCCEEDED_WITH_ISSUES"
    },
    {
      "name": "FAILED",
      "value": "FAILED"
    }
  ],
  "errorCode": null,
  "event": false,
  "eventStream": false,
  "explicitEventPayloadMember": null,
  "hasHeaderMember": false,
  "hasPayloadMember": false,
  "hasStatusCodeMember": false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeStatus",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStatus",
  "variableName" : "upgradeStatus",
  "variableType" : "UpgradeStatus",
  "documentation" : null,
  "simpleType" : "UpgradeStatus",
  "variableSetterType" : "UpgradeStatus"
},
"wrapper" : false
},
"UpgradeStep" : {
  "c2jName" : "UpgradeStep",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "",
  "endpointDiscovery" : null,
  "enums" : [ {
    "name" : "PRE_UPGRADE_CHECK",
    "value" : "PRE_UPGRADE_CHECK"
  }, {
    "name" : "SNAPSHOT",
    "value" : "SNAPSHOT"
  }, {
    "name" : "UPGRADE",
    "value" : "UPGRADE"
  } ],
  "errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ ],
"membersAsMap" : { },
"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeStep",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStep",
  "variableName" : "upgradeStep",
  "variableType" : "UpgradeStep",
  "documentation" : null,
  "simpleType" : "UpgradeStep",
  "variableSetterType" : "UpgradeStep"
},
"wrapper" : false,

"UpgradeStepItem" : {
  "c2jName" : "UpgradeStepItem",
  "customization" : {
    "artificialResultWrapper" : null,
    "skipGeneratingMarshaller" : false,
    "skipGeneratingModelClass" : false,
    "skipGeneratingUnmarshaller" : false,
    "staxTargetDepthOffset" : 0
  },
  "deprecated" : false,
  "documentation" : "<p>Represents a single step of the Upgrade or Upgrade Eligibility Check workflow.</p>",
  "endpointDiscovery" : null,
  "enums" : null,
  "errorCode" : null,
  "event" : false,
  "eventStream" : false,
  "explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"marshallers" : [
  
  "beanStyleGetterMethodName" : "getUpgradeStepAsString",
  "beanStyleSetterMethodName" : "setUpgradeStep",
  "c2jName" : "UpgradeStep",
  "c2jShape" : "UpgradeStep",
  "defaultValue" : null,
  "defaultConsumerFluentSetterDocumentation" : "\n  Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
  <ul>
    <li>PreUpgradeCheck</li>
    <li>Snapshot</li>
    <li>Upgrade</li>
  </ul>
  \n  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link String.Builder} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #upgradeStepAsString(String)}.\n  @param upgradeStep a consumer that will call methods on { @link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #upgradeStep(String)",
  "deprecated" : false,
  "documentation" : "\n  Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
  <ul>
    <li>PreUpgradeCheck</li>
    <li>Snapshot</li>
    <li>Upgrade</li>
  </ul>
  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link String.Builder} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #upgradeStepAsString(String)}.\n  @param upgradeStep a consumer that will call methods on { @link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #upgradeStep(String)"
],
"endpointDiscoveryId" : false,
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterMethodName" : "upgradeStep",
"fluentSetterDocumentation" : "\n  Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
  <ul>
    <li>PreUpgradeCheck</li>
    <li>Snapshot</li>
    <li>Upgrade</li>
  </ul>
  This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link String.Builder} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #upgradeStepAsString(String)}.\n  @param upgradeStep a consumer that will call methods on { @link String.Builder}\n  @return Returns a reference to this object so that method calls can be chained together.\n  @see #upgradeStep(String)"
],
"http" : {
  
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonData" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"setterDocumentation" : "Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: [li]PreUpgradeCheck[/li] <li>Snapshot[/li] <li>Upgrade[/li] </ul>\n\n@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
}
"beanStyleGetterMethodName" : "getUpgradeStepStatusAsString",
"beanStyleSetterMethodName" : "setUpgradeStepStatus",
"c2jName" : "UpgradeStepStatus",
"c2jShape" : "UpgradeStatus",
"defaultValueConsumerFluentSetterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, [ @link String.Builder#build() ] is called immediately and its result is passed to { @link #upgradeStepStatusAsString(String) }.

@see #upgradeStepStatusAsString(String)",
"deprecated" : false,
"documentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul>",
"endpointDiscoveryId" : false,
"enumType" : "UpgradeStatus",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStepStatus",
"fluentEnumSetterMethodName" : "upgradeStepStatus",
"fluentGetterMethodName" : "upgradeStepStatusAsString",
"fluentSetterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> To create an instance of the { @link String.Builder} without manually creating one via { @link String#builder()}, use this method which immediately calls { @link String.Builder#build()} when the { @link Consumer} completes.

To return the result of { @link String.Builder#build()}, pass the result to { @link #upgradeStepStatusAsString(String) }.

@see #upgradeStepStatusAsString(String)",
"getterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> If the service returns an enum value that is not available in the current SDK version, { @link #upgradeStepStatus} will return { @link UpgradeStatus#UNKNOWN_TO_SDK_VERSION}. The raw value returned by the service is available from { @link #upgradeStepStatusAsString(String) }.

@see UpgradeStatus

@returns Returns a reference to this object so that method calls can be chained together.

@see UpgradeStatus",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStepStatus",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStepStatus",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStepStatus",
"simple" : true,
"setterDocumentation" : "\n<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \n</p>\n@param upgradeStepStatus The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \n</p>
\n@see UpgradeStatus",
"setterMethodName" : "setUpgradeStepStatus",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStepStatus",
  "variableType" : "String",
  "documentation" : "\n<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \n</p>\n@param upgradeStepStatus The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> \n</p>
\n@see UpgradeStatus",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getIssues",
"beanStyleSetterMethodName" : "setIssues",
"c2jName" : "Issues",
"c2jShape" : "Issues",
"defaultConsumerFluentSetterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>

This is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to create one manually via [@link List<String>#builder()].

When the [@link Consumer] completes, [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link #issues(List<String>)].

@param issues a consumer that will call methods on [@link List<String>].

@return Returns a reference to this object so that method calls can be chained together.

@see #issues(List<String>)",
"deprecated" : false,
"documentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>

This is a convenience that creates an instance of the [@link List<String>.Builder] avoiding the need to create one manually via [@link List<String>#builder()].

When the [@link Consumer] completes, [@link List<String>.Builder#build()] is called immediately and its result is passed to [@link #issues(List<String>)].

@param issues a consumer that will call methods on [@link List<String>].

@return Returns a reference to this object so that method calls can be chained together.

@see #issues(List<String>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "issues",
"fluentSetterMethodName" : "issues",
"fluentSetterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

@param issues A list of strings containing detailed information about the errors encountered in a particular step.

@return Returns a reference to this object so that method calls can be chained together.

@see #issues(List<String>)",
"getDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.

Attempts to modify the collection returned by this method will result in an UnsupportedOperationExcep-
ion.

@return A list of strings containing detailed information about the errors encountered in a particular step.

@throws UnsupportedOperationException

@throws IOException

@throws JsonProcessingException

@throws ServerError

@throws ServerException

@throws ServerFault

@throws ServerError

@throws ServerException

@throws ServerFault"
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Issues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Issues",
  "uri" : false
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}.\n@param member a consumer that will call methods on \{ @link String.Builder \}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.\n",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
    },
  }
},
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the \{ @link String.Builder \} avoiding the need to create one manually via \{ @link String#builder() \}. When the \{ @link Consumer \} completes, \{ @link String.Builder#build() \} is called immediately and its result is passed to \{ @link #member(String) \}.\n@param member a consumer that will call methods on \{ @link String.Builder \}.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@param member The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.\n",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@return The value of the Member property for this object.\n",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
    },
  }
}
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "Issues",
"sensitive": false,
"setterDocumentation": "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>
@param issues A list of strings containing detailed information about the errors encountered in
a particular step.",
"setterMethodName": "setIssues",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "issues",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "issues",
  "variableType": "java.util.List<String>",
  "documentation": "<p>A list of strings containing detailed information about the errors encountered in a
particular step.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null,

"beanStyleGetterMethodName": "getProgressPercent",
"beanStyleSetterMethodName": "setProgressPercent",
"c2jName": "ProgressPercent",
"c2jShape": "Double",
"defaultConsumerFluentSetterDocumentation": "<p>The Floating point value representing progress percentage
of a particular step.</p>
This is a convenience that creates an instance of the {@link Double.Builder} avoiding the
need to create one manually via {@link Double#builder()}.\n\nWhen the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to
{\link #progressPercent(Double)\n\n@see #progressPercent(Double)}\n\n@deprecated Returns a reference to this object so that method calls can be chained together.\n\n@see #progressPercent(Double)",
"documentation": "<p>The Floating point value representing progress percentage of a particular step.</p>",
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "progressPercent",
"fluentSetterDocumentation": "The Floating point value representing progress percentage of a particular step.
@param progressPercent The Floating point value representing progress percentage of a particular step.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "progressPercent",
"getterDocumentation": "The Floating point value representing progress percentage of a particular step.
@return The Floating point value representing progress percentage of a particular step."
getterModel": {
"returnType": "Double",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "ProgressPercent",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "ProgressPercent",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "DOUBLE",
"name": "ProgressPercent",
"sensitive": false,
"setterDocumentation": "The Floating point value representing progress percentage of a particular step.
@param progressPercent The Floating point value representing progress percentage of a particular step."
setterModel": {
"variableDeclarationType": "Double",
"variableName": "progressPercent",
"variableType": "Double",
"documentation": null,
"simpleType": "Double"
"variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "Double",
  "variableName" : "progressPercent",
  "variableType" : "Double",
  "documentation" : "The Floating point value representing progress percentage of a particular step.",
  "simpleType" : "Double",
  "variableSetterType" : "Double"
},
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
  "Issues" : {
    "beanStyleGetterMethodName" : "getIssues",
    "beanStyleSetterMethodName" : "setIssues",
    "c2jName" : "Issues",
    "c2jShape" : "Issues",
    "defaultConsumerFluentSetterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step. This is a convenience that creates an instance of the List<String>.Builder avoiding the need to create one manually via List<String>#builder(). When the List_String.Builder completes, List<String>.Builder#build() is called immediately and its result is passed to issues(List<String>).param issues a consumer that will call methods on List<String>.Builder#return Returns a reference to this object so that method calls can be chained together.",
    "deprecated" : false,
    "documentation" : "A list of strings containing detailed information about the errors encountered in a particular step.",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "issues",
    "fluentSetterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step.
A@return Returns a reference to this object so that method calls can be chained together.",
    "fluentSetterMethodName" : "issues",
    "getterDocumentation" : "A list of strings containing detailed information about the errors encountered in a particular step. Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
A@return A list of strings containing detailed information about the errors encountered in a particular step.",
    "getterModel" : {
      "returnType" : "java.util.List<String>",
      "$variableName": "progressPercent",
      "$variableType": "Double",
      "$variableSetterType": "Double",
      "$xmlNameSpaceUri": null
    }
  }
}
"documentation" : null,
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Issues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Issues",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.

@see #member(String)"
  }
},
"deprecated" : false,
"documentation" : ""
}
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String"}
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"sensitive" : false,
"setterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>
@param issues A list of strings containing detailed information about the errors encountered in a particular step.",
"setterMethodName" : "setIssues",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null}
"ProgressPercent" : {
  "beanStyleGetterMethodName" : "getProgressPercent",
  "beanStyleSetterMethodName" : "setProgressPercent",
  "c2jName" : "ProgressPercent",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
This is a convenience that creates an instance of the { @link Double.Builder} avoiding the need to create one manually via { @link Double#builder()}. When the { @link Consumer} completes, { @link Double.Builder#build()} is called immediately and its result is passed to { @link #progressPercent(Double)}.

@param progressPercent a consumer that will call methods on { @link Double.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #progressPercent(Double)",
  "deprecated" : false,
  "documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "progressPercent",
  "fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
@return The Floating point value representing progress percentage of a particular step.
@see #progressPercent(Double)",
  "fluentSetterMethodName" : "progressPercent",
  "getterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
@return The Floating point value representing progress percentage of a particular step.
@see #progressPercent(Double)",
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ProgressPercent",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProgressPercent",
    "uri" : false
  },
  "idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "DOUBLE",
"name" : "ProgressPercent",
"sensitive" : false,

"setterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
@param progressPercent The Floating point value representing progress percentage of a particular step.",
"setterMethodName" : "setProgressPercent",
"setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "progressPercent",
    "variableType" : "Double",
    "documentation" : null,
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "progressPercent",
    "variableType" : "Double",
    "documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
    "simpleType" : "Double",
    "variableSetterType" : "Double"
},
"xmlnsNameSpaceUri" : null

"UpgradeStep" : {
    "beanStyleGetterMethodName" : "getUpgradeStepAsString",
    "beanStyleSetterMethodName" : "setUpgradeStep",
    "c2jName" : "UpgradeStep",
    "c2jShape" : "UpgradeStep",
    "defaultConsumerFluentSetterDocumentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
InThis is a convenience that creates an instance of the [@link String.Builder] avoiding the need to create one manually via [@link String#builder()].
When the [@link Consumer] completes, [@link String.Builder#build()] is called immediately and its result is passed to [@link #upgradeStepAsString(String)].
@para upgradeStep a consumer that will call methods on [@link String.Builder]
@para return Returns a reference to this object so that method calls can be chained together.
@see #upgradeStep(String)",
"deprecated" : false,
"documentation" : "<p>Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
", "endpointDiscoveryId" : false,
"enumType" : "UpgradeStep",
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : "upgradeStep",
"fluentEnumSetterMethodName" : "upgradeStep",
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>\n@see UpgradeStep\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStep",
"fluentSetterMethodName" : "upgradeStep",
"getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>\nIf the service returns an enum value that is not available in the current SDK version, [@link UpgradeStep#UNKNOWN_TO_SDK_VERSION]. The raw value returned by the service is available from [@link #upgradeStepAsString].\n@see UpgradeStep\n@return Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>\n@see UpgradeStep",
"getterModel" : {  
  "returnType" : "String",
  "documentation" : null
 },
"http" : {  
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "UpgradeStep",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "UpgradeStep",
  "uri" : false
 },
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul>
@see UpgradeStep",
"setterMethodName" : "setUpgradeStep",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "upgradeStep",
  "variableType" : "String",
  "documentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul> <li>PreUpgradeCheck</li> <li>Snapshot</li> <li>Upgrade</li> </ul> </p>
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,

"UpgradeStepStatus" : {
  "beanStyleGetterMethodName" : "getUpgradeStepStatusAsString",
  "beanStyleSetterMethodName" : "setUpgradeStepStatus",
  "c2jName" : "UpgradeStepStatus",
  "c2jShape" : "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>This is a convenience that creates an instance of the <code>String.Builder</code> avoiding the need to create one manually via <code>String#builder()</code>. When the <code>Consumer</code> completes, <code>String.Builder#build()</code> is called immediately and its result is passed to <code>UpgradeStepStatusAsString(String)</code>. Returns a reference to this object so that method calls can be chained together.
"deprecated" : false,
  "documentation" : "<p> The status of a particular step during an upgrade. The status can take one of the following values: <ul> <li>In Progress</li> <li>Succeeded</li> <li>Succeeded with Issues</li> <li>Failed</li> </ul> </p>
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStepStatus",
  "endpointDiscoveryId" : false,
  "enumType" : "UpgradeStatus",
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : "upgradeStepStatus",
}
"fluentEnumSetterMethodName" : "upgradeStepStatus",
"fluentGetterMethodName" : "upgradeStepStatusAsString",
"fluentSetterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
@see UpgradeStatus\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus",
"fluentSetterMethodName" : "upgradeStepStatus",
"getterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
If the service returns an enum value that is not available in the current SDK version, { @link UpgradeStepStatus\#UNKNOWN_TO_SDK_VERSION\} will return { @link UpgradeStepStatusAsString\}. The raw value returned by the service is available from { @link UpgradeStepStatusAsString\}.\n@return The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>\n@see UpgradeStatus",
"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},
"http" : {
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    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "UpgradeStepStatus",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "UpgradeStepStatus",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStepStatus",
"sensitive" : false,
"setterDocumentation" : "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>\n@see UpgradeStatus\n@return Returns a reference to this object so that method calls can be chained together.\n@see UpgradeStatus"
"fluentGetterMethodName" : "upgradeStepAsString",
"fluentSetterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@param upgradeStep Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep
@return Returns a reference to this object so that method calls can be chained together.
@see UpgradeStep",
"fluentSetterMethodName" : "upgradeStep",
"getterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
<p>If the service returns an enum value that is not available in the current SDK version, \{@link UpgradeStep#UNKNOWN_TO_SDK_VERSION\}. The raw value returned by the service is available from \{@link UpgradeStepAsString\}.\n</p>
@see UpgradeStep",
"getterModel" : {"returnType" : "String", "documentation" : null},
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"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "UpgradeStep",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "UpgradeStep",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "UpgradeStep",
"sensitive" : false,
"setterDocumentation" : "<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through: <ul>
<li>PreUpgradeCheck</li>
<li>Snapshot</li>
<li>Upgrade</li>
</ul>
@see UpgradeStep",
"setterMethodName" : "setUpgradeStep"
"setterModel": {
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  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "upgradeStep",
  "variableType": "String",
  "documentation": `<p> Represents one of 3 steps that an Upgrade or Upgrade Eligibility Check does through:
<ul>
  <li>PreUpgradeCheck</li>
  <li>Snapshot</li>
  <li>Upgrade</li>
</ul> </p>`,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
}, {
  "beanStyleGetterMethodName": "getUpgradeStepStatusAsString",
  "beanStyleSetterMethodName": "setUpgradeStepStatus",
  "c2jName": "UpgradeStepStatus",
  "c2jShape": "UpgradeStatus",
  "defaultConsumerFluentSetterDocumentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>
This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}.\n\nWhen the { @link Consumer} completes, { @link upgradeStepStatusAsString(String)} is called immediately and its result is passed to { @link #upgradeStepStatus(String)}.

@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>

@endpointDiscoveryId": false,
  "enumType": "UpgradeStatus",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "upgradeStepStatus",
  "fluentEnumSetterMethodName": "upgradeStepStatus",
  "fluentGetterMethodName": "upgradeStepStatusAsString",
  "fluentSetterDocumentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>

@endpointDiscoveryId": false,
  "enumType": "UpgradeStatus",
  "eventHeader": false,
  "eventPayload": false,
  "fluentEnumGetterMethodName": "upgradeStepStatus",
  "fluentEnumSetterMethodName": "upgradeStepStatus",
  "fluentGetterMethodName": "upgradeStepStatusAsString",
  "fluentSetterDocumentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
  <li>Failed</li>
</ul>\n@returns a reference to this object so that method calls can be chained together.
@see #upgradeStepStatus(String)"
  
  "deprecated": false,
  "documentation": `"<p> The status of a particular step during an upgrade. The status can take one of the following values: 
<ul>
  <li>In Progress</li>
  <li>Succeeded</li>
  <li>Succeeded with Issues</li>
The status of a particular step during an upgrade. The status can take one of the following values:

- **In Progress**
- **Succeeded**
- **Succeeded with Issues**
- **Failed**

If the service returns an enum value that is not available in the current SDK version, the `UpgradeStepStatus` will return `UNKNOWN_TO_SDK_VERSION`. The raw value returned by the service is available from `UpgradeStepStatusAsString`.

The status can take one of the following values:

- **In Progress**
- **Succeeded**
- **Succeeded with Issues**
- **Failed**

The status of a particular step during an upgrade. The status can take one of the following values:

- **In Progress**
- **Succeeded**
- **Succeeded with Issues**
- **Failed**

The status can take one of the following values:

- **In Progress**
- **Succeeded**
- **Succeeded with Issues**
- **Failed**

The status can take one of the following values:

- **In Progress**
- **Succeeded**
- **Succeeded with Issues**
- **Failed**

The status can take one of the following values:

- **In Progress**
- **Succeeded**
- **Succeeded with Issues**
- **Failed**
"variableName": "upgradeStepStatus",
"variableType": "String",
"documentation": null,
"simpleType": "String",
"variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
"variableDeclarationType": "String",
"variableName": "upgradeStepStatus",
"variableType": "String",
"documentation": "The status of a particular step during an upgrade. The status can take one of the following values: <ul>
<li>In Progress</li>
<li>Succeeded</li>
<li>Succeeded with Issues</li>
<li>Failed</li>
</ul>
", "simpleType": "String",
"variableSetterType": "String"
"documentation": "A list of strings containing detailed information about the errors encountered in a particular step. This is a convenience that creates an instance of the [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) without the need to create one manually via [List<String>#builder()](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#builder()). When the [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) completes, [List<String>.Builder#build()](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#build()) is called immediately and its result is passed to [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) a consumer that will call methods on [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) together.\n\n@param issues a consumer that will call methods on [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html)
@return Returns a reference to this object so that method calls can be chained together.\n@see #issues(List<String>)",
"deprecated": false,
"documentation": "A list of strings containing detailed information about the errors encountered in a particular step.\n\nAttempts to modify the collection returned by this method will result in an
"endpointDiscoveryId": false,
"enumType": null,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": "getIssues",
"fluentEnumSetterMethodName": "setIssues",
"c2jName": "Issues",
"c2jShape": "Issues",
"defaultConsumerFluentSetterDocumentation": "A list of strings containing detailed information about the errors encountered in a particular step.\n\nThis is a convenience that creates an instance of the [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) without the need to create one manually via [List<String>#builder()](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#builder()). When the [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) completes, [List<String>.Builder#build()](https://docs.oracle.com/javase/8/docs/api/java/util/List.html#build()) is called immediately and its result is passed to [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) a consumer that will call methods on [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html) together.\n\n@param issues a consumer that will call methods on [List<String>.Builder](https://docs.oracle.com/javase/8/docs/api/java/util/List.html)
@return Returns a reference to this object so that method calls can be chained together.\n@see #issues(List<String>)",
"getterDocumentation": "A list of strings containing detailed information about the errors encountered in a particular step.\n\nAttempts to modify the collection returned by this method will result in an
"fluentGetterMethodName": "issues",
"fluentSetterMethodName": "issues",
"fluentSetterDocumentation": "A list of strings containing detailed information about the errors encountered in a particular step.\n\nAttempts to modify the collection returned by this method will result in an
"getterDocumentation": "A list of strings containing detailed information about the errors encountered in a particular step.\n\nAttempts to modify the collection returned by this method will result in an
"xmlNameSpaceUri": null
}
UnsupportedOperationException.

@return A list of strings containing detailed information about the errors encountered in a particular step."

"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Issues",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Issues",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "Issue",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#build}().\n\nWhen the {@link Consumer} completes, {@link String.Builder#build}() is called immediately and its result is passed to {@link String.Builder#member(String)}.\n\n@see #member(String)"
  }
},
"deprecated" : false,
"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@\n@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@\n@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"setterDocumentation" : "Sets the value of the Member property for this object.
@\n@param member The new value for the Member property for this object.
@\n@return Returns a reference to this object so that method calls can be chained together."

"setterMethodName" : "setMember",
"setterModel" : {
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
}.
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "Issues",
"sensitive" : false,
"setterDocumentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>\n@param issues A list of strings containing detailed information about the errors encountered in a particular step."
,"setterMethodName" : "setIssues",
"setterModel" : {
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  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "issues",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>A list of strings containing detailed information about the errors encountered in a particular step.</p>"",
  "simpleType" : "List<String>",

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"variableSetterType" : "java.util.Collection<String>",
],
"xmlNameSpaceUri" : null
], {
  "beanStyleGetterMethodName" : "getProgressPercent",
  "beanStyleSetterMethodName" : "setProgressPercent",
  "c2jName" : "ProgressPercent",
  "c2jShape" : "Double",
  "defaultConsumerFluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>\nThis is a convenience that creates an instance of the {@link Double.Builder} avoiding the need to create one manually via {@link Double#builder()}.\nWhen the {@link Consumer} completes, {@link Double.Builder#build()} is called immediately and its result is passed to {@link #progressPercent(Double)}.\n@param progressPercent a consumer that will call methods on {@link Double.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #progressPercent(Double)",
  "deprecated" : false,
  "documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
  "endpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "progressPercent",
  "fluentSetterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>\n@param progressPercent The Floating point value representing progress percentage of a particular step.\n@return Returns a reference to this object so that method calls can be chained together."
  "fluentSetterMethodName" : "progressPercent",
  "getterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>\n@return The Floating point value representing progress percentage of a particular step."
  "getterModel" : {
    "returnType" : "Double",
    "documentation" : null
  },
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "ProgressPercent",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "ProgressPercent"}
"uri" : false,
  },
  "idempotencyToken" : false,
  "isBinary" : false,
  "jsonValue" : false,
  "list" : false,
  "listModel" : null,
  "map" : false,
  "mapModel" : null,
  "marshallingType" : "DOUBLE",
  "name" : "ProgressPercent",
  "sensitive" : false,
  "setterDocumentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>
  @param progressPercent The Floating point value representing progress percentage of a particular step.",
  "setterMethodName" : "setProgressPercent",
  "setterModel" : {
    "variableDeclarationType" : "Double",
    "variableName" : "progressPercent",
    "variableType" : "Double",
    "documentation" : null,
    "simpleType" : "Double",
    "variableSetterType" : "Double"
  },
  "simple" : true,
  "timestampFormat" : null,
  "variable" : {
    "variableDeclarationType" : "Double",
    "variableName" : "progressPercent",
    "variableType" : "Double",
    "documentation" : "<p>The Floating point value representing progress percentage of a particular step.</p>",
    "simpleType" : "Double",
    "variableSetterType" : "Double"
  },
  "xmlNameSpaceUri" : null
}]
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "UpgradeStepItem",
"simpleMethod" : false,
"unmarshaller" : {
  "flattened" : false,
  "resultWrapper" : null
},
"variable" : {
  "variableDeclarationType" : "UpgradeStepItem",
  "variableName" : "upgradeStepItem",
  "variableType" : "UpgradeStepItem"
"documentation" : null,
"simpleType" : "UpgradeStepItem",
"variableSetterType" : "UpgradeStepItem" }
},
"wrapper" : false
},
"VPCDerivedInfo" : {
"c2jName" : "VPCDerivedInfo",
"customization" : {
 "artificialResultWrapper" : null,
 "skipGeneratingMarshaller" : false,
 "skipGeneratingModelClass" : false,
 "skipGeneratingUnmarshaller" : false,
 "staxTargetDepthOffset" : 0
}
},
"deprecated" : false,
"documentation" : "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank">VPC Endpoints for Amazon Elasticsearch Service Domains</a>.</p>

endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : {
 "beanStyleGetterMethodName" : "getVpcId",
 "beanStyleSetterMethodName" : "setVpcId",
 "c2jName" : "VPCId",
 "c2jShape" : "String",
 "defaultConsumerFluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

This is a convenience that creates an instance of the <a href="#link String.Builder">String.Builder</a> avoiding the need to create one manually via <a href="#link String#builder()"></a>. 

When the <a href="#link String.Builder#build()">String.Builder#build()</a> is called immediately and its result is passed to <a href="#link #vpcId(String)"></a>. 

@param vpcId a consumer that will call methods on <a href="#link String.Builder">String.Builder</a>

@return Returns a reference to this object so that method calls can be chained together.<a href="#link #vpcId(String)"></a> 

"deprecated" : false,
"documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcId",
"fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "vpcId",
"getterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@return The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "VPCId",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "VPCId",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
"setterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

@return Returns a reference to this object so that method calls can be chained together.
",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String"
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n\nThis is a convenience that creates an instance of the {link List<String>.Builder} avoiding the need to create one manually via {link List<String>#builder()}.\nWhen the {link Consumer} completes, {link List<String>.Builder} is called immediately and its result is passed to {link List<String> Builder#build()}.\n\n@see List#subnetIds(List<String>)\n\n@deprecated\n\n"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n\nThis is a convenience that creates an instance of the {link List<String>.Builder} avoiding the need to create one manually via {link List<String>#builder()}.\nWhen the {link Consumer} completes, {link List<String>.Builder} is called immediately and its result is passed to {link List<String> Builder#build()}.\n\n@see List#subnetIds(List<String>)\n\n@deprecated\n\n"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "vpcId",
"variableType" : "String",
"documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n\nThis is a convenience that creates an instance of the {link List<String>.Builder} avoiding the need to create one manually via {link List<String>#builder()}.\nWhen the {link Consumer} completes, {link List<String>.Builder} is called immediately and its result is passed to {link List<String> Builder#build()}.\n\n@see List#subnetIds(List<String>)\n\n@deprecated\n\n"simple" : true,
"timestampFormat" : null,
"documentation" : null
},
"http" : {  
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SubnetIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SubnetIds",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create
one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link
String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}\n\n@deprecated\n\n@see #member(String)",
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nReturns a reference to this object so that method calls can be chained together.\n@see #member(String)",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThe new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.".
  }
}
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

@return The value of the Member property for this object.,
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.,
"setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"}
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "subnetIds",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "subnetIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getAvailabilityZones",
"beanStyleSetterMethodName" : "setAvailabilityZones"
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",
"defaultValue" : false,
"documentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build() } is called immediately and its result is passed to { @link #AvailabilityZones(List<String>) }.

When the { @link @param availabilityZones a consumer that will call methods on { @link List<String>.Builder}\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #AvailabilityZones(List<String>)",
"deprecated" : false,
"documentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #AvailabilityZones(List<String>)",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "availabilityZones",
"fluentSetterMethodName" : "availabilityZones",
"getterDocumentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\n@returns The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@returns The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AvailabilityZones",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZones",
"uri" : false
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the \[@link String.Builder\] avoiding the need to create one manually via \[@link String#builder()\]. When the \[@link Consumer\] completes, \[@link String.Builder#build()\] is called immediately and its result is passed to \[@link #member(String)\].\n\n@param member a consumer that will call methods on \[@link String.Builder\]\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object.\n\n@see #member(String)",
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
      "additionalUnmarshallingPath" : null,
      "flattened" : false,
      "greedy" : false,
      "header" : false,
      "isPayload" : false,
      "isStreaming" : false,
      "location" : null,
      "marshallLocation" : "PAYLOAD",
      "marshallLocationName" : "member",
      "marshallType" : "java.util.List\"String\""
    }
  }
}
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
, "setterMethodName" : "setMember",
"setterModel" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
}
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "AvailabilityZones",
"sensitive": false,
"setterDocumentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions. The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

setterMethodName": "setAvailabilityZones",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "availabilityZones",
  "variableType": "java.util.List<String>",
  "documentation": null,
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "availabilityZones",
  "variableType": "java.util.List<String>",
  "documentation": "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "simpleType": "List<String>",
  "variableSetterType": "java.util.Collection<String>"
},
"xmlNameSpaceUri": null
}
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "\<p\>Specifies the security groups for VPC endpoint.\n\n@\param\nsecurityGroupIds Specifies the security groups for VPC endpoint.\n\n@return Returns a reference to this object so that method calls can be chained together.\","n
"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "\<p\>Specifies the security groups for VPC endpoint.\n\n@\param\nAttempts to modify the collection returned by this method will result in a UnsupportedOperationException.\n\n@return Specifies the security groups for VPC endpoint.\",
"getterModel" : {
"returnType" : "java.util.List\<String\>\",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\nThis is a convenience that creates an instance of the {\link String.Builder} avoiding the need to create one manually via {\link String#builder()}.\n\nWhen the {\link Consumer} completes, {\link String.Builder#build()} is called immediately and its result is passed to {\link #member(String)}\n\n@\param\nmember a consumer that will call methods on {\link String.Builder}\n\n@return Returns a reference to this object so that method calls can be chained together.\n\n@see #member(String)",
"deprecated" : false,
Specifies the security groups for VPC endpoint.

```java
@Param securityGroupIds
```

Specifies the security groups for VPC endpoint.
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}],
"membersAsMap" : {
"AvailabilityZones" : {
"beanStyleGetterMethodName" : "getAvailabilityZones",
"beanStyleSetterMethodName" : "setAvailabilityZones",
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
This is a convenience that creates an instance of the
[@link List<String>].Builder] avoiding the need to create one manually via
[@link List<String>#builder()].
When the [Consumer] completes, [List<String>Builder#build()] is called immediately and its result is passed to
[@link #availabilityZones(List<String>)].
@param availabilityZones
a consumer that will call methods on
[@link List<String>].Builder]
@return Returns a reference to this object so that
method calls can be chained together.
@see #availabilityZones(List<String>)"
}
},
"deprecated" : false,
"documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was
created with VPCOptions.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "availabilityZones",
"fluentSetterDocumentation" : "The availability zones for the Elasticsearch domain. Exists only if the
domain was created with VPCOptions.
@param availabilityZones
The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
@return Returns a reference to this object so that
method calls can be chained together.",
"fluentSetterMethodName" : "availabilityZones",
"getterDocumentation" : "The availability zones for the Elasticsearch domain. Exists only if the domain
was created with VPCOptions.
Attempts to modify the collection returned by this method will result in
an UnsupportedOperationException.
@return The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AvailabilityZones",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZones",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String.Builder() }.\nWhen the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }.\n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n@see #member(String)",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object.\n@see The value of the Member property for this object.\n@see #member(String)",
    "getterModel" : {
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      "returnType" : "String"} },
"documentation": null,
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  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
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"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"


The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions. <param>availabilityZones</param> The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
This is a convenience that creates an instance of the List<String>.Builder avoiding the need to
create one manually via List<String>.Builder#builder().
When the Consumer completes, List<String>.Builder#build() is called immediately and its result is passed to
List<String>.Builder a consumer that will call methods on List<String>.Builder
@see securityGroupIds(List<String>)

@deprecated : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds a consumer that will call methods on List<String>
@see #securityGroupIds(List<String>)",
"getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Specifies the security groups for VPC endpoint.",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
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"isBinary" : false,
"jsonValue" : false,
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"isBinary" : false,
"jsonValue" : false,
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"idempotencyToken" : false,
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"isBinary" : false,
"jsonValue" : false,
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"isBinary" : false,
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"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the @link String.Builder avoiding the need to create one manually via @link String#builder(). When the @link Consumer completes, @link String.Builder#build() is called immediately and its result is passed to @link #member(String). @param member a consumer that will call methods on @link String.Builder\n@returns Returns a reference to this object so that method calls can be chained together. \n@see #member(String)",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. \n@param member The new value for the Member property for this object. \n@returns Returns a reference to this object so that method calls can be chained together. \n",
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object. \n@returns The value of the Member property for this object."
    "getterModel" : {
        "returnType" : "String",
        "documentation" : null
    },
    "http" : {
        "additionalMarshallingPath" : null,
        "additionalUnmarshallingPath" : null,
        "flattened" : false,
        "greedy" : false,
        "header" : false,
        "isPayload" : false,
        "isStreaming" : false,
        "location" : null,
        "marshallLocation" : "PAYLOAD",
        "marshallLocationName" : "member",
        "queryString" : false,
        "statusCode" : false,
        "unmarshallLocationName" : "member",
        "uri" : false
    }
}
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.",
"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds
Specifies the security groups for VPC endpoint.",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "securityGroupIds",
    "variableType" : "java.util.List<String>",
    "documentation" : null,
    "simpleType" : "List<String>",
    "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "java.util.List<String>",
    "variableName" : "securityGroupIds",
    "variableType" : "java.util.List<String>",
    "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>
<br/>
@param securityGroupIds
Specifies the security groups for VPC endpoint.
<br/>
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "deprecated" : false,
    "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>
<br/>
@endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "subnetIds",
    "fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
<br/>
@param subnetIds
Specifies the subnets for VPC endpoint.
<br/>
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
<br/>
This is a convenience that creates an instance of the { @link List<String>} .Builder avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link List<String>#subnetIds(List<String>)}. A consumer that will call methods on { @link List<String>.Builder} can return a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)"}
"getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
<p>Attempts to modify the collection returned by this method will result in a UnsupportedOperationException.
</p>
@return Specifies the subnets for VPC endpoint."
,"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },
 "http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "SubnetIds",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SubnetIds",
 "uri" : false
 },
 "idempotencyToken" : false,
 "isBinary" : false,
 "list" : true,
 "listModel" : {
 "implType" : "java.util.ArrayList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "beanStyleGetterMethodName" : "getMember",
 "beanStyleSetterMethodName" : "setMember",
 "c2jName" : "member",
 "c2jShape" : "String",
 "defaultValueFluentSetterDocumentation" : "Sets the value of the Member property for this object.
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }. 
@param member a consumer that will call methods on { @link String.Builder }.
@return Returns a reference to this object so that method calls can be chained together.
@see #member(String)",
 "deprecated" : false,
 "documentation" : ""
 },
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member 
The new value for the Member property for this object.\n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethod_name" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.\n\n@return The value of the Member property for this object."

"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member 
The new value for the Member property for this object."

"setterMethod_name" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"}
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null,
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
"defaultConsumerFluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\nThis is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}.\nWhen the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to @{link #vpcId(String)})\n@return Returns a reference to this object so that method calls can be chained together.";
"documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>";
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcId",
"fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n@return Returns a reference to this object so that method calls can be chained together.,
"fluentSetterMethodName" : "vpcId",
"getterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>\n@return The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.,
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "VPCId",
"sensitive" : false,
"setterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."",
"setterMethodName" : "setVpcId",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "vpcId",
  "variableType" : "String",
  "documentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions."",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getVpcId",
  "beanStyleSetterMethodName" : "setVpcId",
  "c2jName" : "VPCId",
  "c2jShape" : "String",
  "defaultConsumerFluentSetterDocumentation" : "The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.""
},
"<p>This is a convenience that creates an instance of the @link String.Builder] avoiding the need to create one manually via @link #builder().</p>

When the @link
Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link
vpcId(String)}.

@param vpcId a consumer that will call methods on {@link String.Builder}

@return Returns a reference to this object so that method calls can be chained together.

@see #vpcId(String)
}

"deprecated" : false,
"documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with
VPCOptions.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "vpcId",
"fluentSetterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was
created with VPCOptions.</p>

@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with
VPCOptions.

@return Returns a reference to this object so that method calls can be chained
together.
",
"fluentSetterMethodName" : "vpcId",
"getterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with
VPCOptions.</p>

@return The VPC Id for the Elasticsearch domain. Exists only if the domain was created with
VPCOptions.
",
"getterModel" : {
"returnType" : "String",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "VPCId",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "VPCId",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallType" : "STRING",
"name" : "VPCId",
"sensitive" : false,
"setterDocumentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

@param vpcId The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setVpcId",
"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "vpcId",
    "variableType" : "String",
    "documentation" : "<p>The VPC Id for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
    "simpleType" : "String",
    "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>

This is a convenience that creates an instance of the \{@link List<String>.Builder\} avoiding the need to create one manually via \{@link List<String>#builder()\}. When the \{@link Consumer\} completes, \{@link List<String>.Builder#build()\} is called immediately and its result is passed to \{@link #subnetIds(List<String>)\}.\n@returns\{@link List<String>.Builder\}\n@returns\{@link List<String>#build()\}
@returns\{@link #subnetIds(List<String>)\}
@returns A reference to this object so that method calls can be chained together.\n\@see \#subnetIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds","
"fluentSetterDocumentation": "Specifies the subnets for VPC endpoint."
@param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together."
"fluentSetterMethodName": "subnetIds",
"getterDocumentation": "Specifies the subnets for VPC endpoint."
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
@return Specifies the subnets for VPC endpoint."
"getterModel": {
"returnType": "java.util.List<String>",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "SubnetIds",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "SubnetIds",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": true,
"listModel": {
"implType": "java.util.ArrayList",
"interfaceType": "java.util.List",
"listMemberModel": {
"beanStyleGetterMethodName": "getMember",
"beanStyleSetterMethodName": "setMember",
"c2jName": "member",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object."
This is a convenience that creates an instance of the { @link String.Builder } avoiding the need to create one manually via { @link String#builder() }. When the { @link Consumer } completes, { @link String.Builder#build() } is called immediately and its result is passed to { @link #member(String) }.@param member a consumer that will call methods on { @link String.Builder } @return Returns a reference to this object so that method calls can be chained together.@see #member(String)";
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.
@n@param member The new value for the Member property for this object.
@n@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.
@n@return The value of the Member property for this object.",
"getterModel" : {
  "returnType" : "String",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.
@n@param member The new value for the Member property for this object.

@n@return Returns a reference to this object so that method calls can be chained together.",
"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
}
"variableType" : "String",
"documentation" : null,
"simpleType" : "String",
"variableSetterType" : "String"
}],
"simple" : true,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "String",
"variableName" : "member",
"variableType" : "String",
"documentation" : "",
"simpleType" : "String",
"variableSetterType" : "String"
},
"variableLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "subnetIds",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "subnetIds",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"variableType" : "java.util.List<String>",
"documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlnsNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getAvailabilityZones",
"beanStyleSetterMethodName" : "setAvailabilityZones",
"c2jName" : "AvailabilityZones",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link availabilityZones(List<String>)}. Returns a reference to this object so that method calls can be chained together.

@see #availabilityZones(List<String>)",
"deprecated" : false,
"documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "availabilityZones",
"fluentSetterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see #availabilityZones(List<String>)",
"fluentSetterMethodName" : "availabilityZones",
"getterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>

Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.

@see #availabilityZones(List<String>)",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "AvailabilityZones",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "AvailabilityZones",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
object. This is a convenience that creates an instance of the [link String.Builder] avoiding the need to create
one manually via [link String#builder()]. When the [link Consumer] completes, [link
String.Builder#build()] is called immediately and its result is passed to [link
.member(String)] @param member a consumer that will call methods on [link String.Builder] @return Returns a reference to this object so
that method calls can be chained together. [link #member(String)]."
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
    "fluentGetterMethodName" : "member",
    "fluentSetterDocumentation" : "Sets the value of the Member property for this object. @param member
The new value for the Member property for this object. @return Returns a reference to this object so that method
calls can be chained together. ".
    "fluentSetterMethodName" : "member",
    "getterDocumentation" : "Returns the value of the Member property for this object. @return The value of
the Member property for this object. ".
    "getterModel" : {
      "returnType" : "String",
      "documentation" : null
    },
    "http" : {
      "additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
" sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
,"setterMethodName" : "setMember",
"setterModel" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : null,
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
   "variableDeclarationType" : "String",
   "variableName" : "member",
   "variableType" : "String",
   "documentation" : "",
   "simpleType" : "String",
   "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "AvailabilityZones",
"sensitive" : false,
"setterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>
@param availabilityZones The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #securityGroupIds(List<String>)}. The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

"setterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>

This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #securityGroupIds(List<String>)}. The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.

"setterDocumentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.",
"setterMethodName" : "setAvailabilityZones",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "availabilityZones",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>The availability zones for the Elasticsearch domain. Exists only if the domain was created with VPCOptions.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
}
List<String>.Builder

@returns Returns a reference to this object so that method calls can be chained together. See securityGroupIds(List<String>)

"deprecated" : false,
"documentation" : "<p>Says the security groups for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Says the security groups for VPC endpoint.</p>
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together."

"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "<p>Says the security groups for VPC endpoint.</p>
<p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p>
@return Specifies the security groups for VPC endpoint."

"getterModel" : {
 "returnType" : "java.util.List<String>",
 "documentation" : null
 },

"http" : {
 "additionalMarshallingPath" : null,
 "additionalUnmarshallingPath" : null,
 "flattened" : false,
 "greedy" : false,
 "header" : false,
 "isPayload" : false,
 "isStreaming" : false,
 "location" : null,
 "marshallLocation" : "PAYLOAD",
 "marshallLocationName" : "SecurityGroupIds",
 "queryString" : false,
 "statusCode" : false,
 "unmarshallLocationName" : "SecurityGroupIds",
 "uri" : false
 },

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : true,

"listModel" : {
 "implType" : "java.util.ArrayList",
 "interfaceType" : "java.util.List",
 "listMemberModel" : {
 "beanStyleGetterMethodName" : "getMember",
 "beanStyleSetterMethodName" : "setMember",

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"c2jName": "member",
"c2jShape": "String",
"defaultConsumerFluentSetterDocumentation": "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}. @param member a consumer that will call methods on {@link String.Builder}@return Returns a reference to this object so that method calls can be chained together.@see #member(String)",
"deprecated": false,
"documentation": "",
"endpointDiscoveryId": false,
"enumType": null,
"eventId": false,
"eventHeader": false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.

@return The value of the Member property for this object.",
"getterModel": {
"returnType": "String",
"documentation": null
},
"http": {
"additionalMarshallingPath": null,
"additionalUnmarshallingPath": null,
"flattened": false,
"greedy": false,
"header": false,
"isPayload": false,
"isStreaming": false,
"location": null,
"marshallLocation": "PAYLOAD",
"marshallLocationName": "member",
"queryString": false,
"statusCode": false,
"unmarshallLocationName": "member",
"uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.\",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SecurityGroupIds",
"sensitive": false,
"setterDocumentation": "<p>Specifies the security groups for VPC endpoint.\</p>\n\n@param securityGroupIds Specifies the security groups for VPC endpoint.\",
"setterMethodName": "setSecurityGroupIds",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>"
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
} ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VPCDerivedInfo",
"simpleMethod" : false,
"unmarshaller" : {
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "VPCDerivedInfo",
"variableName" : "vpcDerivedInfo",
"variableType" : "VPCDerivedInfo",
"documentation" : null,
"simpleType" : "VPCDerivedInfo",
"variableSetterType" : "VPCDerivedInfo"
},
"wrapper" : false
},
"VPCDerivedInfoStatus" : {
"c2jName" : "VPCDerivedInfoStatus",
"customization" : {
"artificialResultWrapper" : null,
"skipGeneratingMarshaller" : false,
"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0
},
"deprecated" : false,
"documentation" : "<p>Status of the VPC options for the specified Elasticsearch domain.</p>"
"endpointDiscovery" : null,
"enums" : null,
"errorCode" : null,
"event" : false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [
   {
      "beanStyleGetterMethodName" : "getOptions",
      "beanStyleSetterMethodName" : "setOptions",
      "c2jName" : "Options",
      "c2jShape" : "VPCDerivedInfo",
      "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain. This is a convenience that creates an instance of the { @link VPCDerivedInfo.Builder } avoiding the need to create one manually via { @link VPCDerivedInfo#builder() }. When the { @link Consumer } completes, { @link VPCDerivedInfo.Builder#build() } is called immediately and its result is passed to { @link #options(VPCDerivedInfo) }. @param options a consumer that will call methods on { @link VPCDerivedInfo.Builder } @return Returns a reference to this object so that method calls can be chained together.@see #options(VPCDerivedInfo)",
      "deprecated" : false,
      "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain. </p>",
      "endpointDiscoveryId" : false,
      "enumType" : null,
      "eventHeader" : false,
      "eventPayload" : false,
      "fluentEnumGetterMethodName" : null,
      "fluentEnumSetterMethodName" : null,
      "fluentGetterMethodName" : "options",
      "fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain. </p>
      @param options Specifies the VPC options for the specified Elasticsearch domain.
      @return Returns a reference to this object so that method calls can be chained together.",
      "fluentSetterMethodName" : "options",
      "getterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain. </p>
      @return Specifies the VPC options for the specified Elasticsearch domain.",
      "getterModel" : {
         "returnType" : "VPCDerivedInfo",
         "documentation" : null
      },
      "http" : {
         "additionalMarshallingPath" : null,
         "additionalUnmarshallingPath" : null,
         "flattened" : false,
         "greedy" : false,
      }
   }
]
Specifies the VPC options for the specified Elasticsearch domain.

```java
@Param options Specifies the VPC options for the specified Elasticsearch domain.

```

```java
@Setter
public void setOptions(VPCDerivedInfo options)
```

```java
@getter
public VPCDerivedInfo getStatus()
```

```java
@Setter
public void setStatus(VPCDerivedInfo status)
```

```java
@C2JName
public OptionStatus getOptionStatus()
```

```java
@C2JName
public void setOptionStatus(OptionStatus optionStatus)
```
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>
This is a convenience that creates an instance of the {@link OptionStatus.Builder} avoiding the need to create one manually via {@link OptionStatus.Builder#builder()}. When the {@link Consumer} completes, {@link OptionStatus.Builder#build()} is called immediately and its result is passed to {@link OptionStatus.Builder#status(OptionStatus)}.

@see #status(OptionStatus)

@deprecated
@documentation
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.
Returns a reference to this object so that method calls can be chained together.

@see #status(OptionStatus)

@getterDocumentation
"getterModel" : {
   "returnType" : "OptionStatus",
   "documentation" : null
},
"http" : {
   "additionalMarshallingPath" : null,
   "additionalUnmarshallingPath" : null,
   "flattened" : false,
   "greedy" : false,
   "header" : false,
   "isPayload" : false,
   "isStreaming" : false,
   "location" : null,
   "marshallLocation" : "PAYLOAD",
   "marshallLocationName" : "Status",
   "queryString" : false,
   "statusCode" : false,
   "unmarshallLocationName" : "Status",
   "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null

"membersAsMap" : {
  "Options" : {
    "beanStyleGetterMethodName" : "getOptions",
    "beanStyleSetterMethodName" : "setOptions",
    "c2jName" : "Options",
    "c2jShape" : "VPCDerivedInfo",
    "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {@link VPCDerivedInfo.Builder} avoiding the need to create one manually via {@link VPCDerivedInfo#builder()}. When the {@link Consumer} completes, {@link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {@link #options(VPCDerivedInfo)}.
@param options a consumer that will call methods on {@link VPCDerivedInfo.Builder}
@return Returns a reference to this object so that method calls can be chained together.
@see #options(VPCDerivedInfo)",
    "deprecated" : false,
    "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
    "eventPayload" : false,
    "fluentEnumGetterMethodName" : null,
    "fluentEnumSetterMethodName" : null,
  }
}
"fluentGetterMethodName" : "options",
"fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.
@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "options",
"getterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.
@return Specifies the VPC options for the specified Elasticsearch domain."

"getterModel" : {
  "returnType" : "VPCDerivedInfo",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "Options",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.
@param options Specifies the VPC options for the specified Elasticsearch domain."

"setterMethodIdName" : "setOptions",
"setterModel" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : null,
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
}. 
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "VPCDerivedInfo",
  "variableName" : "options",
  "variableType" : "VPCDerivedInfo",
  "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
  "simpleType" : "VPCDerivedInfo",
  "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
"Status" : {
  "beanStyleGetterMethodName" : "getStatus",
  "beanStyleSetterMethodName" : "setStatus",
  "c2jName" : "Status",
  "c2jShape" : "OptionStatus",
  "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.\n\nThis is a convenience that creates an instance of the [@link OptionStatus.Builder] avoiding the need to create one manually via [@link OptionStatus#builder()].\n\nWhen the [@link Consumer] completes, [@link OptionStatus.Builder#build()] is called immediately and its result is passed to [@link OptionStatus.Builder.Builder#build()].\n\nparam status a consumer that will call methods on [@link OptionStatus.Builder]\n\n@see #status(OptionStatus)",
  "deprecated" : false,
  "documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.\n\nendpointDiscoveryId" : false,
  "enumType" : null,
  "eventHeader" : false,
  "eventPayload" : false,
  "fluentEnumGetterMethodName" : null,
  "fluentEnumSetterMethodName" : null,
  "fluentGetterMethodName" : "status",
  "fluentSetterMethodName" : "status",
  "fluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.\n\n@returns a reference to this object so that method calls can be chained together.\n\n@see #status(OptionStatus)",
  "http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
],
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
" sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : null,
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "OptionStatus",
  "variableName" : "status",
  "variableType" : "OptionStatus",
  "documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>",
  "simpleType" : "OptionStatus",
  "variableSetterType" : "OptionStatus"
},
"xmlNameSpaceUri" : null
}
],
"nonStreamingMembers" : [ {
  "beanStyleGetterMethodName" : "getOptions",
  "beanStyleSetterMethodName" : "setOptions"}]}
"c2jName" : "Options",
"c2jShape" : "VPCDerivedInfo",
"defaultConsumerFluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>
This is a convenience that creates an instance of the {link VPCDerivedInfo.Builder} avoiding the need to create one manually via {link VPCDerivedInfo#builder()}. When the {link Consumer} completes, {link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {link #options(VPCDerivedInfo)}.

When the {link Consumer} completes, {link VPCDerivedInfo.Builder#build()} is called immediately and its result is passed to {link #options(VPCDerivedInfo)}.

@param options a consumer that will call methods on {link VPCDerivedInfo.Builder}
@return Returns a reference to this object so that method calls can be chained together.

@see #options(VPCDerivedInfo)"

"deprecated" : false,
"documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
"endpointDiscoveryId" : false,
"eventType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "options",

"fluentSetterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>

@param options Specifies the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.

@see #options(VPCDerivedInfo)"

"getterModel" : {
  "returnType" : "VPCDerivedInfo",
  "documentation" : null
},

"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "header" : false,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "Options",
  "queryString" : false,
  "isBinary" : false,
  "marshalLocation" : "PAYLOAD",
  "marshalLocationName" : "Options",
  "uri" : false,
}

"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Options",
" sensitive" : false,
"setterDocumentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>\n@param options Specifies the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setOptions",
"setterModel" : {
 "variableDeclarationType" : "VPCDerivedInfo",
 "variableName" : "options",
 "variableType" : "VPCDerivedInfo",
 "documentation" : null,
 "simpleType" : "VPCDerivedInfo",
 "variableSetterType" : "VPCDerivedInfo"
},
" simple" : false,
"timestampFormat" : null,
"variable" : {
 "variableDeclarationType" : "VPCDerivedInfo",
 "variableName" : "options",
 "variableType" : "VPCDerivedInfo",
 "documentation" : "<p> Specifies the VPC options for the specified Elasticsearch domain.</p>",
 "simpleType" : "VPCDerivedInfo",
 "variableSetterType" : "VPCDerivedInfo"
},
"xmlNameSpaceUri" : null
},
{
 "beanStyleGetterMethodName" : "getStatus",
 "beanStyleSetterMethodName" : "setStatus",
 "c2jName" : "Status",
 "c2jShape" : "OptionStatus",
 "defaultConsumerFluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>\nThis is a convenience that creates an instance of the { @link OptionStatus.Builder} avoiding the need to create one manually via { @link OptionStatus#builder()}.\n\nWhen the { @link Consumer} completes, { @link OptionStatus.Builder#build()} is called immediately and its result is passed to { @link #status(OptionStatus)}.
\n@param status a consumer that will call methods on { @link OptionStatus.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #status(OptionStatus)",
 "deprecated" : false,
 "documentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>",
 "endpointDiscoveryId" : false,
 "enumType" : null,
 "eventHeader" : false,
 "eventPayload" : false,
 "fluentEnumGetterMethodName" : null,
 "fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "status",
"fluentSetterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.
@return Returns a reference to this object so that method calls can be chained together.",
"fluentSetterMethodName" : "status",
"getterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@return Specifies the status of the VPC options for the specified Elasticsearch domain.",
"getterModel" : {
@returnType" : "OptionStatus",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "Status",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "Status",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "SDK_POJO",
"name" : "Status",
"sensitive" : false,
"setterDocumentation" : "<p> Specifies the status of the VPC options for the specified Elasticsearch domain.</p>
@param status Specifies the status of the VPC options for the specified Elasticsearch domain.",
"setterMethodName" : "setStatus",
"setterModel" : {
"variableDeclarationType" : "OptionStatus",
"variableName" : "status",
"variableType" : "OptionStatus",
"documentation" : null,
"simpleType" : "OptionStatus",
"variableSetterType" : "OptionStatus"
},
"simple": false,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "OptionStatus",
  "variableName": "status",
  "variableType": "OptionStatus",
  "documentation": "<p> Specifies the status of the VPC options for the specified Elasticsearch domain. </p>",
  "simpleType": "OptionStatus",
  "variableSetterType": "OptionStatus"
},
"xmlNameSpaceUri": null
}],
"requestSignerAware": false,
"requestSignerClassFqcn": null,
"required": ["Options", "Status"],
"shapeName": "VPCDerivedInfoStatus",
"simpleMethod": false,
"unmarshaller": {
  "flattened": false,
  "resultWrapper": null
},
"variable": {
  "variableDeclarationType": "VPCDerivedInfoStatus",
  "variableName": "vpcDerivedInfoStatus",
  "variableType": "VPCDerivedInfoStatus",
  "documentation": null,
  "simpleType": "VPCDerivedInfoStatus",
  "variableSetterType": "VPCDerivedInfoStatus"
},
"wrapper": false
},
"VPCOptions": {
  "c2jName": "VPCOptions",
  "customization": {
    "artificialResultWrapper": null,
    "skipGeneratingMarshaller": false,
    "skipGeneratingModelClass": false,
    "skipGeneratingUnmarshaller": false,
    "staxTargetDepthOffset": 0
  },
  "deprecated": false,
  "documentation": "<p>Options to specify the subnets and security groups for VPC endpoint. For more information, see <a href="http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-vpc.html" target="_blank"> VPC Endpoints for Amazon Elasticsearch Service Domains </a>. </p>",
  "endpointDiscovery": null,
  "enums": null,
  "errorCode": null,
  "event": false,
"eventStream" : false,
"explicitEventPayloadMember" : null,
"hasHeaderMember" : false,
"hasPayloadMember" : false,
"hasStatusCodeMember" : false,
"hasStreamingMember" : false,
"httpStatusCode" : null,
"marshaller" : null,
"members" : [ {

"beanStyleGetterMethodName" : "getSubnetIds",
"beanStyleSetterMethodName" : "setSubnetIds",
"c2jName" : "SubnetIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
This is a convenience that creates an instance of the { @link List<String>.Builder} avoiding the need to create one manually via { @link List<String>#builder()}. When the { @link Consumer} completes, { @link List<String>.Builder#build()} is called immediately and its result is passed to { @link #subnetIds(List<String>)}
@link List<String>.Builder\n@returns Returns a reference to this object so that method calls can be chained together.\n@see #subnetIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the subnets for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "subnetIds",
"fluentSetterMethodName" : "subnetIds",
"fluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
"getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Specifies the subnets for VPC endpoint.
@throws IllegalArgumentException If the value is null,\
@returns Returns a reference to this object so that method calls can be chained together.
"getterModel" : {

"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SubnetIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SubnetIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()} .\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)} .\n@see #member(String)\
@deprecated"
"documentation" : "", 
"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()} .\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)} .\n@see #member(String)\
@deprecated"
"documentation" : "", 
"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.\nThis is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()} .\nWhen the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)} .\n@see #member(String)\
@deprecated"
"documentation" : "", 
"endpointDiscoveryId" : false,
"enumType" : null,
"eventId" : false,
"eventPayload" : false,
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."

"setterMethodName" : "setMember",
"setterModel" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String"
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"}
}

"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "p>Specifies the subnets for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>",
},
"xmlNameSpaceUri" : null
},
{
  "beanStyleGetterMethodName" : "getSecurityGroupIds",
  "beanStyleSetterMethodName" : "setSecurityGroupIds",
  "c2jName" : "SecurityGroupIds",
  "c2jShape" : "StringList",
  "defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>

This is a convenience that creates an instance of the {<link List<String>.Builder>} avoiding the need to create one manually via {<link List<String>#builder()}).

When the {<link List<String>.Builder> completes, {<link List<String>.Builder#build()}} is called immediately and its result is passed to {<link #securityGroupIds(List<String>)}}.

@see #securityGroupIds(List<String>)",
  "deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds Specifies the security groups for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
@return Specifies the security groups for VPC endpoint.
",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {
"additionalMarshallingPath" : null,
"additionalUnmarshallingPath" : null,
"flattened" : false,
"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this
This is a convenience that creates an instance of the `String.Builder` avoiding the need to create one manually via `String.builder()`. When the `Consumer` completes, `build()` is called immediately and its result is passed to `member(String)`. The new value for the `Member` property for this object.

```java
@returns
```

The return value of the `Member` property for this object.

```java
@returns
```

The value of the `Member` property for this object.

```java
getterModel : {
  returnType : "String",
  documentation : null
},
http : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "member",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "member",
  "uri" : false
},
idempotencyToken : false,
isBinary : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",


"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SecurityGroupIds",
"sensitive": false,
"setterDocumentation": "<p>Specifies the security groups for VPC endpoint.</p>\n\n@param securityGroupIds Specifies the security groups for VPC endpoint."
"setterMethodName": "setSecurityGroupIds",
"setterModel": {
  "variableDeclarationType": "java.util.List<String>",
  "variableName": "securityGroupIds",
  "variableType": "java.util.List<String>",
  "documentation": null,
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"simple" : false,
"timestampFormat" : null,
"variable" : {
"variableDeclarationType" : "java.util.List<String>",
"variableName" : "securityGroupIds",
"variableType" : "java.util.List<String>",
"documentation" : "<p>Specifies the security groups for VPC endpoint.&lt;/p&gt;",
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>",
"xmlNameSpaceUri" : null
},
"membersAsMap" : {
"SecurityGroupIds" : {
"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "&lt;p&gt;Specifies the security groups for VPC endpoint.&lt;/p&gt;\nThis is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}.\nWhen the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link SecurityGroupIds(List<String>)}.\n@param securityGroupIds a consumer that will call methods on {@link List<String>.Builder}\.\n@see #securityGroupIds(List<String>)",
"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.&lt;/p&gt;",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "&lt;p&gt;Specifies the security groups for VPC endpoint.&lt;/p&gt;\n@param securityGroupIds Specifies the security groups for VPC endpoint.\n@return Returns a reference to this object so that method calls can be chained together.\n@see #securityGroupIds(List<String>)",
"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "&lt;p&gt;Specifies the security groups for VPC endpoint.&lt;/p&gt;\n@see #securityGroupIds(List<String>)\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n@return Specifies the security groups for VPC endpoint.\n@see #securityGroupIds(List<String>)",
"getterModel" : {
"returnType" : "java.util.List<String>",
"documentation" : null
}
}
"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "SecurityGroupIds",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "SecurityGroupIds",
    "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "String",
        "defaultValueConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}. param member a consumer that will call methods on { @link String.Builder}\n@returns Returns a reference to this object so that method calls can be chained together. @see #member(String)",
        "deprecated" : false,
        "documentation" : "",
        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "member",
        "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object. @returns Returns a reference to this object so that method calls can be chained together. ".
        "fluentSetterMethodName" : "member",
        "getterDocumentation" : "Returns the value of the Member property for this object. @returns The value of

the Member property for this object.

"getterModel" : {
    "returnType" : "String",
    "documentation" : null
},

"http" : {
    "additionalMarshallingPath" : null,
    "additionalUnmarshallingPath" : null,
    "flattened" : false,
    "greedy" : false,
    "header" : false,
    "isPayload" : false,
    "isStreaming" : false,
    "location" : null,
    "marshallLocation" : "PAYLOAD",
    "marshallLocationName" : "member",
    "queryString" : false,
    "statusCode" : false,
    "unmarshallLocationName" : "member",
    "uri" : false
},

"idempotencyToken" : false,

"isBinary" : false,

"jsonValue" : false,

"list" : false,

"listModel" : null,

"map" : false,

"mapModel" : null,

"marshallingType" : "STRING",

"name" : "Member",

"sensitive" : false,

"setterDocumentation" : "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",

"setterMethodName" : "setMember",

"setterModel" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String",
    "documentation" : null,
    "simpleType" : "String",
    "variableSetterType" : "String"
},

"simple" : true,

"timestampFormat" : null,

"variable" : {
    "variableDeclarationType" : "String",
    "variableName" : "member",
    "variableType" : "String"}
"documentation": "", 
"simpleType": "String", 
"variableSetterType": "String"
}, 
"xmlNameSpaceUri": null
}, 
"memberLocationName": null, 
"memberType": "String", 
"map": false, 
"memberAdditionalMarshallingPath": null, 
"memberAdditionalUnmarshallingPath": null, 
"simple": true, 
"simpleType": "String", 
"templateImplType": "java.util.ArrayList<String>", 
"templateType": "java.util.List<String>
}, 
"map": false, 
"mapModel": null, 
"marshallingType": "LIST", 
"name": "SecurityGroupIds", 
"sensitive": false, 
"setterDocumentation": "<p>Specifies the security groups for VPC endpoint.</p>\n@param securityGroupIds Specifies the security groups for VPC endpoint.", 
"setterMethodName": "setSecurityGroupIds", 
"setterModel": { 
  "variableDeclarationType": "java.util.List<String>", 
  "variableName": "securityGroupIds", 
  "variableType": "java.util.List<String>", 
  "documentation": null, 
  "simpleType": "List<String>", 
  "variableSetterType": "java.util.Collection<String>
}, 
"simple": false, 
"timestampFormat": null, 
"variable": { 
  "variableDeclarationType": "java.util.List<String>", 
  "variableName": "securityGroupIds", 
  "variableType": "java.util.List<String>", 
  "documentation": "<p>Specifies the security groups for VPC endpoint.</p>", 
  "simpleType": "List<String>", 
  "variableSetterType": "java.util.Collection<String>
}, 
"xmlNameSpaceUri": null
}, 
"SubnetIds": { 
  "beanStyleGetterMethodName": "getSubnetIds", 
  "beanStyleSetterMethodName": "setSubnetIds", 
  "c2jName": "SubnetIds", 

"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, the result is passed to [@link List<String>.Builder#build()] immediately and its result is passed to [@link List<String>#subnetIds(List<String>)].

@see #subnetIds(List<String>)

@deprecated
<documentation>
<p>Specifies the subnets for VPC endpoint.</p>
<p>
Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.
</p>
</documentation>

@see #subnetIds(List<String>)

@getterDocumentation
<p>Specifies the subnets for VPC endpoint.</p>
</getterDocumentation>

@getterModel
<getterModel>

@return Returns a reference to this object so that method calls can be chained together.

@fluentSetterMethodName
"subnetIds",

@fluentSetterDocumentation
<p>Specifies the subnets for VPC endpoint.</p>

@fluentSetterMethodSignature
<fluentSetterMethodSignature>

@return Returns a reference to this object so that method calls can be chained together.

@isPayload
false

@isStreaming
false

@marshallLocation
"PAYLOAD",

@marshallLocationName
"SubnetIds",

@queryString
false

@unmarshallLocationName
"SubnetIds",

@uri
false

@idempotencyToken
false

@isBinary
false

@jsonValue
false

@list
true
"listModel" : {
    "implType" : "java.util.ArrayList",
    "interfaceType" : "java.util.List",
    "listMemberModel" : {
        "beanStyleGetterMethodName" : "getMember",
        "beanStyleSetterMethodName" : "setMember",
        "c2jName" : "member",
        "c2jShape" : "String",
        "defaultValueSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the { @link String.Builder} avoiding the need to create one manually via { @link String#builder()}. When the { @link Consumer} completes, { @link String.Builder#build()} is called immediately and its result is passed to { @link #member(String)}
        @param member a consumer that will call methods on { @link String.Builder}
        @return Returns a reference to this object so that method calls can be chained together.
        @see #member(String)",
        "deprecated" : false,
        "documentation" : "",
        "endpointDiscoveryId" : false,
        "enumType" : null,
        "eventHeader" : false,
        "eventPayload" : false,
        "fluentEnumGetterMethodName" : null,
        "fluentEnumSetterMethodName" : null,
        "fluentGetterMethodName" : "member",
        "fluentSetterDocumentation" : "Sets the value of the Member property for this object. The new value for the Member property for this object.
        @param member The new value for the Member property for this object.
        @return Returns a reference to this object so that method calls can be chained together.",
        "fluentSetterMethodName" : "member",
        "getterDocumentation" : "Returns the value of the Member property for this object.
        @return The value of the Member property for this object.",
        "getterModel" : {
            "returnType" : "String",
            "documentation" : null
        },
        "http" : {
            "additionalMarshallingPath" : null,
            "additionalUnmarshallingPath" : null,
            "flattened" : false,
            "greedy" : false,
            "header" : false,
            "isPayload" : false,
            "isStreaming" : false,
            "location" : null,
            "marshallLocation" : "PAYLOAD",
            "marshallLocationName" : "member",
            "queryString" : false,
            "statusCode" : false,
            "unmarshallLocationName" : "member",
            "uri" : false
        }
    }
}
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"sensitive": false,
"setterDocumentation": "Sets the value of the Member property for this object.\n\n@param member The new value for the Member property for this object.",
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
  "simpleType": "String",
  "variableSetterType": "String"
},
"simple": true,
"timestampFormat": null,
"variable": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": "",
  "simpleType": "String",
  "variableSetterType": "String"
},
"xmlNameSpaceUri": null
},
"memberLocationName": null,
"memberType": "String",
"map": false,
"memberAdditionalMarshallingPath": null,
"memberAdditionalUnmarshallingPath": null,
"simple": true,
"simpleType": "String",
"templateImplType": "java.util.ArrayList<String>",
"templateType": "java.util.List<String>"
},
"map": false,
"mapModel": null,
"marshallingType": "LIST",
"name": "SubnetIds","idempotencyToken": false,
"sensitive": false,
"setterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
@<param subnetIds Specifies the subnets for VPC endpoint.",
"setterMethodName": "setSubnetIds",
"setterModel": {
    "variableDeclarationType": "java.util.List<String>",
    "variableName": "subnetIds",
    "variableType": "java.util.List<String>",
    "documentation": null,
    "simpleType": "List<String>",
    "variableSetterType": "java.util.Collection<String>"
},
"simple": false,
"timestampFormat": null,
"variable": {
    "variableDeclarationType": "java.util.List<String>",
    "variableName": "subnetIds",
    "variableType": "java.util.List<String>",
    "documentation": "<p>Specifies the subnets for VPC endpoint.</p>
@<param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "deprecated": false,
    "documentation": "<p>Specifies the subnets for VPC endpoint.</p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "subnetIds",
    "fluentSetterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
@<param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>This is a convenience that creates an instance of the {<link List<String>.Builder} avoiding the need to create one manually via {<link List<String>#builder()}.
When the {<link Consumer} completes, {<link List<String>.Builder#build()} is called immediately and its result is passed to {<link List<String>.Builder\
@<param subnetIds a consumer that will call methods on {<link List<String>.Builder}@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "xmlNameSpaceUri": null
},
"nonStreamingMembers": [
    "beanStyleGetterMethodName": "getSubnetIds",
    "beanStyleSetterMethodName": "setSubnetIds",
    "c2jName": "SubnetIds",
    "c2jShape": "StringList",
    "defaultConsumerFluentSetterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>This is a convenience that creates an instance of the {<link List<String>.Builder} avoiding the need to create one manually via {<link List<String>#builder()}.
When the {<link Consumer} completes, {<link List<String>.Builder#build()} is called immediately and its result is passed to {<link List<String>.Builder\
@<param subnetIds a consumer that will call methods on {<link List<String>.Builder}@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "deprecated": false,
    "documentation": "<p>Specifies the subnets for VPC endpoint.</p>",
    "endpointDiscoveryId": false,
    "enumType": null,
    "eventHeader": false,
    "eventPayload": false,
    "fluentEnumGetterMethodName": null,
    "fluentEnumSetterMethodName": null,
    "fluentGetterMethodName": "subnetIds",
    "fluentSetterDocumentation": "<p>Specifies the subnets for VPC endpoint.</p>
@<param subnetIds Specifies the subnets for VPC endpoint.
@return Returns a reference to this object so that method calls can be chained together.
@see #subnetIds(List<String>)",
    "xmlNameSpaceUri": null
}
together.
"fluentSetterMethodName" : "subnetIds",
"getterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p><p>Attempts to modify the collection returned by this method will result in an UnsupportedOperationException.</p><p>@return Specifies the subnets for VPC endpoint.</p>",
"getterModel" : {
  "returnType" : "java.util.List<String>",
  "documentation" : null
},
"http" : {
  "additionalMarshallingPath" : null,
  "additionalUnmarshallingPath" : null,
  "flattened" : false,
  "greedy" : false,
  "header" : false,
  "isPayload" : false,
  "isStreaming" : false,
  "location" : null,
  "marshallLocation" : "PAYLOAD",
  "marshallLocationName" : "SubnetIds",
  "queryString" : false,
  "statusCode" : false,
  "unmarshallLocationName" : "SubnetIds",
  "uri" : false
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
  "implType" : "java.util.ArrayList",
  "interfaceType" : "java.util.List",
  "listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.<p>@param member a consumer that will call methods on {@link String.Builder} on return Returns a reference to this object so that method calls can be chained together.{@link see #member(String)}",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "endpointDiscoveryId" : false
  }
},
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
    "beanStyleGetterMethodName" : "getMember",
    "beanStyleSetterMethodName" : "setMember",
    "c2jName" : "member",
    "c2jShape" : "String",
    "defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object. This is a convenience that creates an instance of the {@link String.Builder} avoiding the need to create one manually via {@link String.Builder#builder()}. When the {@link Consumer} completes, {@link String.Builder#build()} is called immediately and its result is passed to {@link #member(String)}.<p>@param member a consumer that will call methods on {@link String.Builder} on return Returns a reference to this object so that method calls can be chained together.{@link see #member(String)}",
    "deprecated" : false,
    "documentation" : "",
    "endpointDiscoveryId" : false,
    "enumType" : null,
    "eventHeader" : false,
"eventPayload": false,
"fluentEnumGetterMethodName": null,
"fluentEnumSetterMethodName": null,
"fluentGetterMethodName": "member",
"fluentSetterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.".
"fluentSetterMethodName": "member",
"getterDocumentation": "Returns the value of the Member property for this object.

@return The value of the Member property for this object."

"getterModel": {
  "returnType": "String",
  "documentation": null
},
"http": {
  "additionalMarshallingPath": null,
  "additionalUnmarshallingPath": null,
  "flattened": false,
  "greedy": false,
  "header": false,
  "isPayload": false,
  "isStreaming": false,
  "location": null,
  "marshallLocation": "PAYLOAD",
  "marshallLocationName": "member",
  "queryString": false,
  "statusCode": false,
  "unmarshallLocationName": "member",
  "uri": false
},
"idempotencyToken": false,
"isBinary": false,
"jsonValue": false,
"list": false,
"listModel": null,
"map": false,
"mapModel": null,
"marshallingType": "STRING",
"name": "Member",
"setterDocumentation": "Sets the value of the Member property for this object.

@param member
The new value for the Member property for this object.
@return Returns a reference to this object so that method calls can be chained together.".
"setterMethodName": "setMember",
"setterModel": {
  "variableDeclarationType": "String",
  "variableName": "member",
  "variableType": "String",
  "documentation": null,
}
"simpleType" : "String",
"variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "String",
  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
"memberAdditionalMarshallingPath" : null,
"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>
}
",
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SubnetIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the subnets for VPC endpoint.</p>
@param subnetIds Specifies the subnets for VPC endpoint.

"setterMethodName" : "setSubnetIds",
"setterModel" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
},
"simple" : false,
"timestampFormat" : null,
"variable" : {
  "variableDeclarationType" : "java.util.List<String>",
  "variableName" : "subnetIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the subnets for VPC endpoint.</p>"
"simpleType" : "List<String>",
"variableSetterType" : "java.util.Collection<String>"
},
"xmlNameSpaceUri" : null
},

"beanStyleGetterMethodName" : "getSecurityGroupIds",
"beanStyleSetterMethodName" : "setSecurityGroupIds",
"c2jName" : "SecurityGroupIds",
"c2jShape" : "StringList",
"defaultConsumerFluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint. This is a convenience that creates an instance of the {@link List<String>.Builder} avoiding the need to create one manually via {@link List<String>#builder()}. When the {@link Consumer} completes, {@link List<String>.Builder#build()} is called immediately and its result is passed to {@link #securityGroupIds(List<String>)}.\n@param securityGroupIds a consumer that will call methods on {@link List<String>.Builder}\n@return Returns a reference to this object so that method calls can be chained together.\n@see #securityGroupIds(List<String>)",

"deprecated" : false,
"documentation" : "<p>Specifies the security groups for VPC endpoint.\n</p>",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
"eventPayload" : false,
"fluentEnumGetterMethodName" : null,
"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "securityGroupIds",
"fluentSetterDocumentation" : "<p>Specifies the security groups for VPC endpoint.\n@param securityGroupIds Specifies the security groups for VPC endpoint.\n@return Returns a reference to this object so that method calls can be chained together.\n</p>",

"fluentSetterMethodName" : "securityGroupIds",
"getterDocumentation" : "<p>Specifies the security groups for VPC endpoint.\nAttempts to modify the collection returned by this method will result in an UnsupportedOperationException.\n</p>",
"getterModel" : {

"returnType" : "java.util.List<String>",
"documentation" : null
},
"http" : {

"additionalMarshallingPath" : null,
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"greedy" : false,
"header" : false,
"isPayload" : false,
"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "SecurityGroupIds",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "SecurityGroupIds",
"uri" : false,
},
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : true,
"listModel" : {
"implType" : "java.util.ArrayList",
"interfaceType" : "java.util.List",
"listMemberModel" : {
"beanStyleGetterMethodName" : "getMember",
"beanStyleSetterMethodName" : "setMember",
"c2jName" : "member",
"c2jShape" : "String",
"defaultConsumerFluentSetterDocumentation" : "Sets the value of the Member property for this object.

This is a convenience that creates an instance of the [ @link String.Builder] avoiding the need to create
one manually via [ @link String#builder()].

When the [ @link Consumer] completes, [ @link String.Builder#build()] is called immediately and its result is passed to [ @link #member(String)].

@param member a consumer that will call methods on [ @link String.Builder]

@return Returns a reference to this object so that method calls can be chained together.

@see #member(String)",
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"documentation" : "",
"endpointDiscoveryId" : false,
"enumType" : null,
"eventHeader" : false,
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"fluentEnumSetterMethodName" : null,
"fluentGetterMethodName" : "member",
"fluentSetterDocumentation" : "Sets the value of the Member property for this object.

The new value for the Member property for this object.

@returns a reference to this object so that method calls can be chained together.
",
"fluentSetterMethodName" : "member",
"getterDocumentation" : "Returns the value of the Member property for this object.

The value of the Member property for this object.

@returns The value of the Member property for this object.
",
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"documentation" : "null",
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"flattened" : false,
"greedy" : false,
"header" : false,
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"isStreaming" : false,
"location" : null,
"marshallLocation" : "PAYLOAD",
"marshallLocationName" : "member",
"queryString" : false,
"statusCode" : false,
"unmarshallLocationName" : "member",
"uri" : false,
"idempotencyToken" : false,
"isBinary" : false,
"jsonValue" : false,
"list" : false,
"listModel" : null,
"map" : false,
"mapModel" : null,
"marshallingType" : "STRING",
"name" : "Member",
"sensitive" : false,
"setterDocumentation" : "Sets the value of the Member property for this object.

@param member The new value for the Member property for this object."
"setterMethodName" : "setMember",
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : null,
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"simple" : true,
"timestampFormat" : null,
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  "variableName" : "member",
  "variableType" : "String",
  "documentation" : "",
  "simpleType" : "String",
  "variableSetterType" : "String"
},
"xmlNameSpaceUri" : null
},
"memberLocationName" : null,
"memberType" : "String",
"map" : false,
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"memberAdditionalUnmarshallingPath" : null,
"simple" : true,
"simpleType" : "String",
"templateImplType" : "java.util.ArrayList<String>",
"templateType" : "java.util.List<String>"
},
"map" : false,
"mapModel" : null,
"marshallingType" : "LIST",
"name" : "SecurityGroupIds",
"sensitive" : false,
"setterDocumentation" : "<p>Specifies the security groups for VPC endpoint.</p>
@param securityGroupIds Specifies the security groups for VPC endpoint.",
"setterMethodName" : "setSecurityGroupIds",
"setterModel" : {
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  "variableName" : "securityGroupIds",
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  "documentation" : null,
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"variable" : {
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  "variableName" : "securityGroupIds",
  "variableType" : "java.util.List<String>",
  "documentation" : "<p>Specifies the security groups for VPC endpoint.</p>",
  "simpleType" : "List<String>",
  "variableSetterType" : "java.util.Collection<String>"
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"required" : null,
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  "resultWrapper" : null
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  "variableName" : "vpcOptions",
  "variableType" : "VPCOptions",
  "documentation" : null,
  "simpleType" : "VPCOptions",
  "variableSetterType" : "VPCOptions"
"artificialResultWrapper" : null,
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"skipGeneratingModelClass" : false,
"skipGeneratingUnmarshaller" : false,
"staxTargetDepthOffset" : 0}
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"deprecated" : false,
"documentation" : "The type of EBS volume, standard, gp2, or io1. See [Configuring EBS-based Storage](http://docs.aws.amazon.com/elasticsearch-service/latest/developerguide/es-createdomain-configure-ebs.html) for more information.",
"endpointDiscovery" : null,
"enums" : [ {
"name" : "STANDARD",
"value" : "standard"
}, {
"name" : "GP2",
"value" : "gp2"
}, {
"name" : "IO1",
"value" : "io1"
} ],
"errorCode" : null,
"event" : false,
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"hasHeaderMember" : false,
"hasPayloadMember" : false,
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"httpStatusCode" : null,
"marshaller" : null,
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"nonStreamingMembers" : [ ],
"requestSignerAware" : false,
"requestSignerClassFqcn" : null,
"required" : null,
"shapeName" : "VolumeType",
"simpleMethod" : false,
"unmarshaller" : { 
"flattened" : false,
"resultWrapper" : null
},
"variable" : {
"variableDeclarationType" : "VolumeType",
"variableName" : "volumeType",
"variableType" : "VolumeType",
"documentation" : null,
"simpleType" : "VolumeType",
"variableSetterType" : "VolumeType"
},
"wrapper" : false
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},
"customAuthorizers" : { },
"customRetryPolicy" : null,
"examples" : { 
  "examples" : { },
  "version" : "1.0"
},
"fileHeader" : "/*
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 */
",
"sdkModeledExceptionBaseClassName" : "ElasticsearchException",
"sdkModeledExceptionBaseFqcn" : "software.amazon.awssdk.services.elasticsearch.model.ElasticsearchException",
"sdkRequestBaseClassName" : "ElasticsearchRequest",
"sdkResponseBaseClassName" : "ElasticsearchResponse"
}

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/models/es-2015-01-01-intermediate.json
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 */
/**

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* Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible Elasticsearch version.
* @param upgradeElasticsearchDomainRequest Container for request parameters to <code>UpgradeElasticsearchDomain</code> operation.
* @return A Java Future containing the result of the UpgradeElasticsearchDomain operation returned by the service.

The CompletableFuture returned by this method can be completed exceptionally with the following exceptions.
* <ul>
  * <li>BaseException An error occurred while processing the request.</li>
  * <li>ResourceNotFoundException An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.</li>
  * <li>ResourceAlreadyExistsException An exception for creating a resource that already exists. Gives http status code of 400.</li>
  * <li>DisabledOperationException An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.</li>
  * <li>ValidationException An exception for missing / invalid input fields. Gives http status code of 400.</li>
  * <li>InternalException The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.</li>
  * <li.SdkException Base class for all exceptions that can be thrown by the SDK (both service and client). Can be used for catch all scenarios.</li>
  * <li>SdkClientException If any client side error occurs such as an IO related failure, failure to get credentials, etc.</li>
  * <li>ElasticsearchException Base class for all service exceptions. Unknown exceptions will be thrown as an instance of this type.</li>
  * </ul>

* @sample ElasticsearchAsyncClient.UpgradeElasticsearchDomain

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2.jar/software/amazon/awssdk/services/elasticsearch/ElasticsearchAsyncClient.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2.jar/software/amazon/awssdk/services/elasticsearch/DefaultElasticsearchAsyncClient.java

No license file was found, but licenses were detected in source scan.

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*/
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/VPCDerivedInfoStatus.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/GetUpgradeHistoryRequest.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/RemoveTagsResponse.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/CognitoOptions.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/VPCDerivedInfo.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/EncryptionAtRestOptionsStatus.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/ElasticsearchDomainStatus.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/DescribeElasticsearchDomainsRequest.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/DescribeElasticsearchDomainsResponse.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2-4-1-sources-2-jar/software/amazon/awsdk/services/elasticsearch/model/StartElasticsearchServiceSoftwareUpdateResponse.java

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jar/software/amazon/awssdk/services/elasticsearch/model/ReservedElasticsearchInstance.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/transform/CreateElasticsearchDomainRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/AccessPoliciesStatus.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/EncryptionAtRestOptions.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/DisabledOperationException.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/UpgradeHistoryListCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/UpgradeStep.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/PurchaseReservedElasticsearchInstanceOfferingRequest.j
ava
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/TagListCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/ListElasticsearchVersionsRequest.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/ESPartitionInstanceType.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/StorageTypeLimit.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/paginators/ListElasticsearchVersionsIterable.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/paginators/ListTagsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/paginators/GetUpgradeHistoryIterable.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/IssuesCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/AccessPoliciesStatus.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/UpgradeHistoryListCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/UpgradeStep.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/PurchaseReservedElasticsearchInstanceOfferingRequest.j
ava
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/TagListCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/ListElasticsearchVersionsRequest.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/LimitsByRoleCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/DeploymentStatus.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/ESPartitionInstanceType.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/StorageTypeLimit.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/paginators/ListElasticsearchVersionsIterable.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/paginators/ListTagsRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/paginators/GetUpgradeHistoryIterable.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/IssuesCopier.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/elasticsearch-2-4-1-sources-2-
jar/software/amazon/awssdk/services/elasticsearch/model/DescribeElasticsearchDomainResponse.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2.4.1-sources-2-
  jar/software/amazon/awssdk/services/elasticsearch/model/StorageType.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2.4.1-sources-2-
  jar/software/amazon/awssdk/services/elasticsearch/transform/StartElasticsearchServiceSoftwareUpdateRequestMarshaller.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2.4.1-sources-2-
  jar/software/amazon/awssdk/services/elasticsearch/model/ListDomainNamesRequest.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2.4.1-sources-2-
  jar/software/amazon/awssdk/services/elasticsearch/model/DescribeElasticsearchDomainConfigResponse.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2.4.1-sources-2-
  jar/software/amazon/awssdk/services/elasticsearch/model/InvalidTypeException.java
* /opt/ws_local/PERMITS_SQL/1070563500_1594719904.31/0/elasticsearch-2.4.1-sources-2-
  jar/software/amazon/awssdk/services/elasticsearch/model/DescribeReservedElasticsearchInstancesRequest.java

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 */

/**
 * <p>
 * Allows you to either upgrade your domain or perform an Upgrade eligibility check to a compatible Elasticsearch
 * version.
 * </p>
 *
 * @param upgradeElasticsearchDomainRequest
 * Container for request parameters to <code><a>UpgradeElasticsearchDomain</a></code> operation.
@return Result of the UpgradeElasticsearchDomain operation returned by the service.

@throws BaseException
An error occurred while processing the request.

@throws ResourceNotFoundException
An exception for accessing or deleting a resource that does not exist. Gives http status code of 400.

@throws ResourceAlreadyExistsException
An exception for creating a resource that already exists. Gives http status code of 400.

@throws DisabledOperationException
An error occurred because the client wanted to access a not supported operation. Gives http status code of 409.

@throws ValidationException
An exception for missing / invalid input fields. Gives http status code of 400.

@throws InternalException
The request processing has failed because of an unknown error, exception or failure (the failure is internal to the service). Gives http status code of 500.

@throws SdkException
Base class for all exceptions that can be thrown by the SDK (both service and client). Can be used for catch all scenarios.

@throws SdkClientException
If any client side error occurs such as an IO related failure, failure to get credentials, etc.

@throws ElasticsearchException
Base class for all service exceptions. Unknown exceptions will be thrown as an instance of this type.

@sample ElasticsearchClient.UpgradeElasticsearchDomain

*/

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File: src/main/java/org/apache/commons/ssl/ASN1Util.java

Changes: Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/KeyStoreBuilder.java

Changes: Fixing tryJKS to correctly return null for a potential PKCS12 file with no key entry. This happens with cacerts in Java 9+ because of the changes in JEP 229, because both JKS and PKCS12 files can now be loaded using either the JKS or PKCS12 keystore type. Replacing direct System.out calls with Logger calls. Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/PKCS8Key.java

Changes: Removing Bouncy Castle classes and linking to the JAR instead.

File: src/main/java/org/apache/commons/ssl/*

Changes: Replacing direct printStackTrace calls with Logger calls, remove logging "abstraction".

Files: src/main/java/org/apache/commons/ssl/org/bouncycastle/*

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The PKCS12 key derivation function was also developed by Bouncy Castle (Look for the "pkcs12()" method inside PKCS8.java).

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## Selective hash usage

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1.79 process-nextick-args 2.0.1

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1.84 libffi 3.2.1 9

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1.85 ns-popover 0.6.8

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1.87 diffutils 3.7 3

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* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/cassandra/package-info.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/NoOpMeterRegistryConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/CompositeReactiveHealthIndicatorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/CompositeReactiveHealthIndicatorConfiguration.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/elasticsearch/ElasticsearchHealthIndicatorProperties.java

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* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/AutoTimeProperties.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/AutoConfiguredHealthEndpointGroups.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/health/HealthStatusHttpMapperHttpStatusMapperAdapter.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/metrics/export/prometheus/PrometheusProperties.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/web/servlet/CompositeHandlerExceptionResolver.java
* /opt/ws_local/PERMITS_SQL/1031928377_1588775188.2/0/spring-boot-actuator-autoconfigure-2-2-4-release-sources-jar/org/springframework/boot/actuate/autoconfigure/manage
1.105 iperf 2.0.5 8.0

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1.107 oct-zip-drv 3.1.0-p5

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1.108 libpng 1.6.36 6
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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5c0f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.
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Source Package: xorg
Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.121 httpcomponents-client 4.5.9

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1.123 bcpkix-jdk15on 1.62

1.124 tar 1.30+dfsg 6

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1.125 minlog 1.3.0

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1.127 sha.js 2.4.11

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1.129 individual 3.0.0

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1.130 timers-browserify 2.0.11

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1.139 adduser 3.118

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Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph
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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt
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1.140 rx-netty 0.4.9

1.141 keyutils 1.6-6

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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This
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1.152 dnsmasq 2.79

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    # NOTE: Building the i18n targets requires GNU-make

    # Variables you may well want to override.

    PREFIX       = /usr/local
    BINDIR       = $(PREFIX)/sbin
    MANDIR       = $(PREFIX)/share/man
    LOCALEDIR    = $(PREFIX)/share/locale
    BUILDDIR     = $(SRC)
    DESTDIR      =
    CFLAGS       = -Wall -W -O2
    LDFLAGS      =
    COPTS        =
    RPM_OPT_FLAGS =
    LIBS         =
# Variables you might want to override.

PKG_CONFIG = pkg-config
INSTALL = install
MSGMERGE = msgmerge
MSGFMT = msgfmt
XGETTEXT = xgettext

SRC = src
PO = po
MAN = man

# pmake way. (NB no spaces to keep gmake 3.82 happy)
top!=pwd
# GNU make way.
top?=$(CURDIR)

dbus_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DBUS $(PKG_CONFIG) --cflags dbus-1`
dbus_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DBUS $(PKG_CONFIG) --libs dbus-1`
idn_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_IDN $(PKG_CONFIG) --cflags libidn`
idn_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_IDN $(PKG_CONFIG) --libs libidn`idn2_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LIBIDN2 $(PKG_CONFIG) --cflags libidn2`
idn2_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LIBIDN2 $(PKG_CONFIG) --libs libidn2`ct_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_CONNTRACK $(PKG_CONFIG) --cflags libnetfilter_conntrack`
cf_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_CONNTRACK $(PKG_CONFIG) --libs libnetfilter_conntrack`
lua_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LUASCRIPT $(PKG_CONFIG) --cflags lua5.2`
lua_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_LUASCRIPT $(PKG_CONFIG) --libs lua5.2`
nettle_cflags = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DNSSEC $(PKG_CONFIG) --cflags nettle hogweed`
nettle_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DNSSEC $(PKG_CONFIG) --libs nettle hogweed`
gmp_libs = `echo $(COPTS) | $(top)/bld/pkg-wrapper HAVE_DNSSEC NO_GMP --copy -lgmp`
sunos_libs = `if uname | grep SunOS >/dev/null 2>&1; then echo -lssocket -lnsl -lposix4; fi`version = `-DVERSION="" $(top)/bld/get-version $(top)"

sum?=$(shell $(CC) -DDNSMASQ_COMPILE_OPTS $(COPTS) -E $(top)/$(SRC)/dnsmasq.h | ( md5sum 2>/dev/null || md5 ) | cut -f 1 -d ' ')
sum!=$(CC) -DDNSMASQ_COMPILE_OPTS $(COPTS) -E $(top)/$(SRC)/dnsmasq.h | ( md5sum 2>/dev/null || md5 ) | cut -f 1 -d ' 'copts_conf = .copts_$(sum)

objs = cache.o rfc1035.o util.o option.o forward.o network.o \
dnsmasq.o dhcp.o lease.o rfc2131.o netlink.o dbus.o bpf.o \
helper.o tftp.o log.o conntrack.o dhcpc6.o rfc3315.o \
dhcp-common.o outpacket.o radv.o slaac.o auth.o ipset.o \
domain.o dnssec.o blockdata.o tables.o loop.o inotify.o \
poll.o rpfilt.o edns0.o arp.o crypto.o

hdrs = dnsmasq.h config.h dhcp-protocol.h dhcpc6-protocol.h \
       dhcp-protocol.h radv-protocol.h ip6addr.h

all : $(BUILDDIR)
@cd $(BUILDDIR) & & $(MAKE) \
top="$(top)"
build_cflags="$(version) $(dbus_cflags) $(idn2_cflags) $(ct_cflags) $(lua_cflags) $(nettle_cflags)" \ 
built_libs="$(dbus_libs) $(idn2_libs) $(idn_libs) $(ct_libs) $(lua_libs) $(sunos_libs) $(nettle_libs) $(gmp_libs)" \ 
-f $(top)/Makefile dnsmasq

mostly_clean : 
rm -f $(BUILDDIR)/*.mo $(BUILDDIR)/*.pot
rm -f $(BUILDDIR)/.copts_* $(BUILDDIR)/*.o $(BUILDDIR)/dnsmasq.a $(BUILDDIR)/dnsmasq

clean : mostly_clean
rm -f $(BUILDDIR)/dnsmasq_baseline
rm -f core */core
rm -f *~ contrib/*/*~ */*~

install : all install-common

install-common :
$(INSTALL) -d $(DESTDIR)$(BINDIR) -d $(DESTDIR)$(MANDIR)/man8
$(INSTALL) -m 644 $(MAN)/dnsmasq.8 $(DESTDIR)$(MANDIR)/man8
$(INSTALL) -m 755 $(BUILDDIR)/dnsmasq $(DESTDIR)$(BINDIR)

all-i18n : $(BUILDDIR)
@cd $(BUILDDIR) & & $(MAKE) \ 
top="$(top)"

i18n=\$(LOCALEDIR)="/"$(LOCALEDIR)="/\nbuild_cflags="$(version) $(dbus_cflags) $(idn2_cflags) $(ct_cflags) $(lua_cflags) $(nettle_cflags)" \ 
built_libs="$(dbus_libs) $(idn2_libs) $(idn_libs) $(ct_libs) $(lua_libs) $(sunos_libs) $(nettle_libs) $(gmp_libs)" \ 
-f $(top)/Makefile dnsmasq
for f in `cd \$(PO); echo *.po`; do \ 
cd $(top) & & cd $(BUILDDIR) & & $(MAKE) top="/$(top)" -f $(top)/Makefile $(f).po.mo; \ 
done

install-i18n : all-i18n install-common

merge :
@cd $($BUILDDIR) && $($MAKE) top="$($top)" -f $($top)/Makefile dnsmasq.pot
for f in `cd $($PO); echo *.po`; do \
echo -n msgmerge $($PO)/$$f && $($MSGMERGE) --no-wrap -U $($PO)/$$f $($BUILDDIR)/dnsmasq.pot; \
done

# Canonicalise .po file.
%.po :
@cd $($BUILDDIR) && $($MAKE) -f $($top)/Makefile dnsmasq.pot
mv $($PO)/$*.po $($PO)/$*.po.orig && $($MSGMERGE) --no-wrap $($PO)/$*.po.orig $($BUILDDIR)/dnsmasq.pot
>$($PO)/$*.po;

$($BUILDDIR):
mkdir -p $($BUILDDIR)

# rules below are helpers for size tracking
baseline : mostly_clean all
@cd $($BUILDDIR) && 
 mv dnsmasq dnsmasq_baseline

bloatcheck : $($BUILDDIR)/dnsmasq_baseline mostly_clean all
@cd $($BUILDDIR) && 
 $($top)/bld/bloat-o-meter dnsmasq_baseline dnsmasq; 
 size dnsmasq_baseline dnsmasq

# rules below are targets in recursive makes with cwd=$($BUILDDIR)

$(copts_conf): $(hdrs)
@rm -f *.o .copts_*.c
@touch $@

$(objs:.o=.c) $(hdrs):
ln -s $(top)/$(SRC)/$@ .

$(objs): $(copts_conf) $(hdrs)

.o.o:
$(CC) $(CFLAGS) $(COPTS) $(i18n) $(build_cflags) $(RPM_OPT_FLAGS) -c $<

dnsmasq : $(objs)
$(CC) $(LDFLAGS) -o $@ $(objs) $(build_libs) $(LIBS)

dnsmasq.pot : $(objs:.o=.c) $(hdrs)
$(XGETTEXT) -d dnsmasq --foreign-user --omit-header --keyword=_ -o $@ -i $(objs:.o=.c)

%.mo : $(top)/$(PO)/%.po dnsmasq.pot
$(MSGMERGE) -o - $(top)/$(PO)/$*.po dnsmasq.pot | $(MSGFMT) -o $*.mo -
/* dnsmasq is Copyright (c) 2000-2018 Simon Kelley

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*/

#include "dnsmasq.h"

/* Time between forced re-loads from kernel. */
#define INTERVAL 90

#define ARP_MARK 0
#define ARP_FOUND 1 /* Confirmed */
#define ARP_NEW 2 /* Newly created */
#define ARP_EMPTY 3 /* No MAC addr */

struct arp_record {  
  unsigned short hwlen, status; 
  int family; 
  unsigned char hwaddr[DHCP_CHADDR_MAX]; 
  struct all_addr addr;  
  struct arp_record *next; 
};

static struct arp_record *arps = NULL, *old = NULL, *freelist = NULL;
static time_t last = 0;

static struct arp_record *arps = NULL, *old = NULL, *freelist = NULL;
static time_t last = 0;

static int filter_mac(int family, char *addrp, char *mac, size_t maclen, void *parmv)
{
  struct arp_record *arp;

  (void)parmv;

  if (maclen > DHCP_CHADDR_MAX)
    return 1;

#ifndef HAVE_IPV6
Open Source Used In MSX SD-WAN Service Pack 3.9.0 3143
if (family != AF_INET)
    return 1;
#endif

/* Look for existing entry */
for (arp = arps; arp; arp = arp->next)
{
    if (family != arp->family || arp->status == ARP_NEW)
        continue;

    if (family == AF_INET)
    {
        if (arp->addr.addr.addr4.s_addr != ((struct in_addr *)addrp)->s_addr)
            continue;
    }
#ifdef HAVE_IPV6
    else
    {
        if (!IN6_ARE_ADDR_EQUAL(&arp->addr.addr.addr6, (struct in6_addr *)addrp))
            continue;
    }
#endif
    if (arp->status == ARP_EMPTY)
    {
        /* existing address, was negative. */
        arp->status = ARP_NEW;
        arp->hwlen = maclen;
        memcpy(arp->hwaddr, mac, maclen);
    }
    else if (arp->hwlen == maclen && memcmp(arp->hwaddr, mac, maclen) == 0)
        /* Existing entry matches - confirm. */
        arp->status = ARP_FOUND;
    else
        continue;

    break;
}

if (!arp)
{
    /* New entry */
    if (freelist)
    {
        arp = freelist;
        freelist = freelist->next;
    }
    else if (!((arp = whine_malloc(sizeof(struct arp_record)))))
    {
        // Allocation failed, handle error
    }
}
return 1;

    arp->next = arps;
    arps = arp;
    arp->status = ARP_NEW;
    arp->hwlen = maclen;
    arp->family = family;
    memcpy(arp->hwaddr, mac, maclen);
    if (family == AF_INET)
        arp->addr.addr.addr4.s_addr = ((struct in_addr *)addrp)->s_addr;
#ifdef HAVE_IPV6
    else
        memcpy(&arp->addr.addr.addr6, addrp, IN6ADDRSZ);
#endif
}

return 1;

/* If in lazy mode, we cache absence of ARP entries. */
int find_mac(union mysockaddr *addr, unsigned char *mac, int lazy, time_t now)
{
    struct arp_record *arp, *tmp, **up;
    int updated = 0;

    again:

    /* If the database is less then INTERVAL old, look in there */
    if (difftime(now, last) < INTERVAL)
    {
        /* addr == NULL -> just make cache up-to-date */
        if (!addr)
            return 0;
        for (arp = arps; arp; arp = arp->next)
        {
            if (addr->sa.sa_family != arp->family)
                continue;
            if (arp->family == AF_INET &&
                arp->addr.addr.addr4.s_addr != addr->in.sin_addr.s_addr)
                continue;
#ifdef HAVE_IPV6
            if (arp->family == AF_INET6 &&
                !IN6_ARE_ADDR_EQUAL(&arp->addr.addr.addr6, &addr->in6.sin6_addr))
                continue;
#endif
    }
/* Only accept positive entries unless in lazy mode. */
if (arp->status != ARP_EMPTY || lazy || updated)
{
    if (mac && &arp->hwlen != 0)
        memcpy(mac, arp->hwaddr, arp->hwlen);
        return arp->hwlen;
}

/* Not found, try the kernel */
if (!updated)
{
    updated = 1;
    last = now;

    /* Mark all non-negative entries */
    for (arp = arps; arp; arp = arp->next)
        if (arp->status != ARP_EMPTY)
            arp->status = ARP_MARK;

        ifaceEnumerate(AF_UNSPEC, NULL, filter_mac);

        /* Remove all unconfirmed entries to old list. */
        for (arp = arps, up = &arps; arp; arp = tmp)
        {
            tmp = arp->next;

            if (arp->status == ARP_MARK)
                {
                    *up = arp->next;
                    arp->next = old;
                    old = arp;
                }
            else
                up = &arp->next;
        }

        goto again;
}

/* record failure, so we don't consult the kernel each time
   we're asked for this address */
if (freelist)
{
    arp = freelist;
    freelist = freelist->next;
else
    arp = whine_malloc(sizeof(struct arp_record));

if (arp)
{
    arp->next = arps;
    arps = arp;
    arp->status = ARP_EMPTY;
    arp->family = addr->sa.sa_family;
    arp->hwlen = 0;

    if (addr->sa.sa_family == AF_INET)
        arp->addr.addr.addr4.s_addr = addr->in.sin_addr.s_addr;
    #ifdef HAVE_IPV6
    else
        memcpy(&arp->addr.addr.addr6, &addr->in6.sin6_addr, IN6ADDRSZ);
    #endif
}

return 0;
}

int do_arp_script_run(void)
{
    struct arp_record *arp;

    /* Notify any which went, then move to free list */
    if (old)
    {
    #ifdef HAVE_SCRIPT
    if (option_bool(OPT_SCRIPT_ARP))
        queue_arp(ACTION_ARP_DEL, old->hwaddr, old->hwlen, old->family, &old->addr);
    #endif
        arp = old;
        old = arp->next;
        arp->next = freelist;
        freelist = arp;
        return 1;
    }

    for (arp = arps; arp; arp = arp->next)
    {
    #ifdef HAVE_SCRIPT
    if (option_bool(OPT_SCRIPT_ARP))
        queue_arp(ACTION_ARP, arp->hwaddr, arp->hwlen, arp->family, &arp->addr);
    #endif
}
arp->status = ARP_FOUND;
return 1;
}

return 0;
}

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Q: Why does dnsmasq open UDP ports >1024 as well as port 53.
   Is this a security problem/trojan/backdoor?

A: The high ports that dnsmasq opens are for replies from the upstream nameserver(s). Queries from dnsmasq to upstream nameservers are sent from these ports and replies received to them. The reason for doing this is that most firewall setups block incoming packets _to_ port 53, in order to stop DNS queries from the outside world. If dnsmasq sent its queries from port 53 the replies would be _to_ port 53 and get blocked.

This is not a security hole since dnsmasq will only accept replies to that port: queries are dropped. The replies must be to outstanding queries which dnsmasq has forwarded, otherwise they are dropped too.

Addendum: dnsmasq now has the option "query-port" (-Q), which allows you to specify the UDP port to be used for this purpose. If not specified, the operating system will select an available port number just as it did before.

Second addendum: following the discovery of a security flaw in the DNS protocol, dnsmasq from version 2.43 has changed behavior. It now uses a new, randomly selected, port for each query. The old default behaviour (use one port allocated by the OS) is available by setting --query-port=0, and setting the query port to a positive value still works. You should think hard and know what you are doing before using either of these options.

Q: Why doesn't dnsmasq support DNS queries over TCP? Don't the RFC's specify that?

A: Update: from version 2.10, it does. There are a few limitations: data obtained via TCP is not cached, and source-address or query-port specifications are ignored for TCP.

Q: When I send SIGUSR1 to dump the contents of the cache, some entries have no IP address and are for names like mymachine.mydomain.com.mydomain.com.
What are these?

A: They are negative entries: that’s what the N flag means. Dnsmasq asked an upstream nameserver to resolve that address and it replied "doesn’t exist, and won’t exist for <n> hours" so dnsmasq saved that information so that if _it_ gets asked the same question it can answer directly without having to go back to the upstream server again. The strange repeated domains result from the way resolvers search short names. See "man resolv.conf" for details.

Q: Will dnsmasq compile/run on non-Linux systems?

A: Yes, there is explicit support for *BSD and MacOS X and Solaris. There are start-up scripts for MacOS X Tiger and Panther in /contrib. Dnsmasq will link with uclibc to provide small binaries suitable for use in embedded systems such as routers. (There’s special code to support machines with flash filesystems and no battery-backed RTC.) If you encounter make errors with *BSD, try installing gmake from ports and building dnsmasq with "make MAKE=gmake"
For other systems, try altering the settings in config.h.

Q: My company's nameserver knows about some names which aren't in the public DNS. Even though I put it first in /etc/resolv.conf, it doesn't work: dnsmasq seems not to use the nameservers in the order given. What am I doing wrong?

A: By default, dnsmasq treats all the nameservers it knows about as equal: it picks the one to use using an algorithm designed to avoid nameservers which aren’t responding. To make dnsmasq use the servers in order, give it the -o flag. If you want some queries sent to a special server, think about using the -S flag to give the IP address of that server, and telling dnsmasq exactly which domains to use the server for.

Q: OK, I've got queries to a private nameserver working, now how about reverse queries for a range of IP addresses?

A: Use the standard DNS convention of <reversed address>.in-addr.arpa. For instance to send reverse queries on the range 192.168.0.0 to 192.168.0.255 to a nameserver at 10.0.0.1 do server=/0.168.192.in-addr.arpa/10.0.0.1
Note that the "bogus-priv" option take priority over this option, so the above will not work when the bogus-priv option is set.

Q: Dnsmasq fails to start with an error like this: "dnsmasq: bind failed: Cannot assign requested address". What’s the problem?
A: This has been seen when a system is bringing up a PPP interface at boot time; by the time dnsmasq start the interface has been created, but not brought up and assigned an address. The easiest solution is to use --interface flags to specify which interfaces dnsmasq should listen on. Since you are unlikely to want dnsmasq to listen on a PPP interface and offer DNS service to the world, the problem is solved.

Q: I'm running on BSD and dnsmasq won't accept long options on the command line.

A: Dnsmasq when built on some BSD systems doesn't use GNU getopt by default. You can either just use the single-letter options or change config.h and the Makefile to use getopt-long. Note that options in /etc/dnsmasq.conf must always be the long form, on all platforms.

Q: Names on the internet are working fine, but looking up local names from /etc/hosts or DHCP doesn't seem to work.

A: Resolver code sometime does strange things when given names without any dots in. Win2k and WinXP may not use the DNS at all and just try and look up the name using WINS. On unix look at "options ndots:"
 in "man resolv.conf" for details on this topic. Testing lookups using "nslookup" or "dig" will work, but then attempting to run "ping" will get a lookup failure, appending a dot to the end of the hostname will fix things. (ie "ping myhost" fails, but "ping myhost." works. The solution is to make sure that all your hosts have a domain set ("domain" in resolv.conf, or set a domain in your DHCP server, see below for Windows XP and Mac OS X). Any domain will do, but "localnet" is traditional. Now when you resolve "myhost" the resolver will attempt to look up "myhost.localnet" so you need to have dnsmasq reply to that name. The way to do that is to include the domain in each name on /etc/hosts and/or to use the --expand-hosts and --domain options.

Q: How do I set the DNS domain in Windows XP or MacOS X (ref: previous question)?

A: for XP, Control Panel > Network Connections > { Connection to gateway / DNS } > Properties > { Highlight TCP/IP } > Properties > Advanced > DNS Tab > DNS suffix for this connection:

A: for OS X, System Preferences > Network > {Connection to gateway / DNS } > Search domains:

Q: Can I get dnsmasq to save the contents of its cache to disk when
I shut my machine down and re-load when it starts again?

A: No, that facility is not provided. Very few names in the DNS have their time-to-live set for longer than a few hours so most of the cache entries would have expired after a shutdown. For longer-lived names it's much cheaper to just reload them from the upstream server. Note that dnsmasq is not shut down between PPP sessions so go off-line and then on-line again will not lose the contents of the cache.

Q: Who are Verisign, what do they have to do with the bogus-nxdomain option in dnsmasq and why should I worry about it?

A: [note: this was written in September 2003, things may well change.] Verisign run the .com and .net top-level-domains. They have just changed the configuration of their servers so that unknown .com and .net domains, instead of returning an error code NXDOMAIN, (no such domain) return the address of a host at Verisign which runs a web server showing a search page. Most right-thinking people regard this new behaviour as broken :-). You can test to see if you are suffering Verisign brokenness by run a command like

```bash
host jlsdajkdalld.com
```

If you get "jlsdajkdalld.com" does not exist, then all is fine, if host returns an IP address, then the DNS is broken. (Try a few different unlikely domains, just in case you picked a weird one which really _is_ registered.)

Assuming that your DNS is broken, and you want to fix it, simply note the IP address being returned and pass it to dnsmasq using the --bogus-nxdomain flag. Dnsmasq will check for results returning that address and substitute an NXDOMAIN instead.

As of writing, the IP address in question for the .com and .net domains is 64.94.110.11. Various other, less prominent, registries pull the same stunt; there is a list of them all, and the addresses to block, at http://winware.org/bogus-domains.txt

Q: This new DHCP server is well and good, but it doesn't work for me. What's the problem?

A: There are a couple of configuration gotchas which have been encountered by people moving from the ISC dhcpd to the dnsmasq integrated DHCP daemon. Both are related to differences in the way the two daemons bypass the IP stack to do "ground up" IP configuration and can lead to the dnsmasq daemon failing whilst the ISC one works.
The first thing to check is the broadcast address set for the ethernet interface. This is normally the address on the connected network with all ones in the host part. For instance if the address of the ethernet interface is 192.168.55.7 and the netmask is 255.255.255.0 then the broadcast address should be 192.168.55.255. Having a broadcast address which is not on the network to which the interface is connected kills things stone dead.

The second potential problem relates to firewall rules: since the ISC daemon in some configurations bypasses the kernel firewall rules entirely, the ability to run the ISC daemon does not indicate that the current configuration is OK for the dnsmasq daemon. For the dnsmasq daemon to operate it’s vital that UDP packets to and from ports 67 and 68 and broadcast packets with source address 0.0.0.0 and destination address 255.255.255.255 are not dropped by iptables/ipchains.

Q: I'm running Debian, and my machines get an address fine with DHCP, but their names are not appearing in the DNS.

A: By default, none of the DHCP clients send the host-name when asking for a lease. For most of the clients, you can set the host-name to send with the "hostname" keyword in /etc/network/interfaces. (See "man interfaces" for details.) That doesn't work for dhclient, were you have to add something like "send host-name daisy" to /etc/dhclient.conf [Update: the latest dhcpd packages _do_ send the hostname by default.

Q: I'm network booting my machines, and trying to give them static DHCP-assigned addresses. The machine gets its correct address whilst booting, but then the OS starts and it seems to get allocated a different address.

A: What is happening is this: The boot process sends a DHCP request and gets allocated the static address corresponding to its MAC address. The boot loader does not send a client-id. Then the OS starts and repeats the DHCP process, but it does send a client-id. Dnsmasq cannot assume that the two requests are from the same machine (since the client ID's don't match) and even though the MAC address has a static allocation, that address is still in use by the first incarnation of the machine (the one from the boot, without a client ID.) Dnsmasq therefore has to give the machine a dynamic address from its pool. There are three ways to solve this: (1) persuade your DHCP client not to send a client ID, or (2) set up the static assignment to the client ID, not the MAC address. The default client-id will be 01:<MAC address>, so change the dhcp-host
line from "dhcp-host=11:22:33:44:55:66,1.2.3.4" to
"dhcp-host=id:01:11:22:33:44:55:66,1.2.3.4" or (3) tell dnsmasq to
ignore client IDs for a particular MAC address, like this:

Q: What network types are supported by the DHCP server?

A: Ethernet (and 802.11 wireless) are supported on all platforms. On
Linux all network types (including FireWire) are supported.

Q: What are these strange "bind-interface" and "bind-dynamic" options?

A: Dnsmasq from v2.63 can operate in one of three different "networking
modes". This is unfortunate as it requires users configuring dnsmasq
to take into account some rather bizarre constraints and select the
mode which best fits the requirements of a particular installation.
The origin of these are deficiencies in the Unix networking
model and APIs and each mode has different advantages and
problems. Just to add to the confusion, not all modes are available on
all platforms (due the to lack of supporting network APIs). To further
add to the confusion, the rules for the DHCP subsystem on dnsmasq are
different to the rules for the DNS and TFTP subsystems.

The three modes are "wildcard", "bind-interfaces" and "bind-dynamic".

In "wildcard" mode, dnsmasq binds the wildcard IP address (0.0.0.0 or
::). This allows it to receive all the packets sent to the server on
the relevant port. Access control (--interface, --except-interface,
--listen-address, etc) is implemented by dnsmasq: it queries the
kernel to determine the interface on which a packet was received and
the address to which it was sent, and applies the configured
rules. Wildcard mode is the default if neither of the other modes are
specified.

In "bind-interfaces" mode, dnsmasq runs through all the network
interfaces available when it starts, finds the set of IP addresses on
those interfaces, filters that set using the access control
configuration, and then binds the set of IP addresses. Only packets
sent to the allowed addresses are delivered by the kernel to dnsmasq.

In "bind-dynamic" mode, access control filtering is done both by
binding individual IP addresses, as for bind-interfaces, and by
inspecting individual packets on arrival as for wildcard mode. In
addition, dnsmasq notices when new interfaces appear or new addresses
appear on existing interfaces, and the resulting IP addresses are
bound automatically without having to restart dnsmasq.

The mode chosen has four different effects: co-existence with other
servers, semantics of --interface access control, effect of new interfaces, and legality of --interface specifications for non-existent interfaces. We will deal with these in order.

A dnsmasq instance running in wildcard mode precludes a machine from running a second instance of dnsmasq or any other DNS, TFTP or DHCP server. Attempts to do so will fail with an "address in use" error. Dnsmasq running in --bind-interfaces or bind-dynamic mode allow other instances of dnsmasq or other servers, as long as no two servers are configured to listen on the same interface address.

The semantics of --interface varies subtly between wildcard or bind-dynamic mode and bind-interfaces mode. The situation where this matters is a request which arrives via one interface (A), but with a destination address of a second interface (B) and when dnsmasq is configured to listen only on B. In wildcard or bind-dynamic mode, such a request will be ignored, in bind-interfaces mode, it will be accepted.

The creation of new network interfaces after dnsmasq starts is ignored by dnsmasq when in --bind-interfaces mode. In wildcard or bind-dynamic mode, such interfaces are handled normally.

An --interface specification for a non-existent interface is a fatal error at start-up when in --bind-interfaces mode, by just generates a warning in wildcard or bind-dynamic mode.

Q: Why doesn't Kerberos work/why can't I get sensible answers to queries for SRV records.

A: Probably because you have the "filterwin2k" option set. Note that it was on by default in example configuration files included in versions before 2.12, so you might have it set on without realising.

Q: Can I get email notification when a new version of dnsmasq is released?

A: Yes, new releases of dnsmasq are always announced through freshmeat.net, and they allow you to subscribe to email alerts when new versions of particular projects are released. New releases are also announced in the dnsmasq-discuss mailing list, subscribe at http://lists.thekelleys.org.uk/mailman/listinfo/dnsmasq-discuss

Q: What does the dhcp-authoritative option do?

A: The DHCP spec says that when a DHCP server receives a renewal request from a client it has no knowledge of, it should just ignore it.
This is because it's supported to have more than one DHCP server on a network, and another DHCP server may be dealing with the client. This has the unfortunate effect that when _no_ DHCP replies to the client, it takes some time for the client to time-out and start to get a new lease. Setting this option makes dnsmasq violate the standard to the extent that it will send a NAK reply to the client, causing it to immediately start to get a new lease. This improves behaviour when machines move networks, and in the case that the DHCP lease database is lost. As long as there are not more than one DHCP server on the network, it's safe to enable the option.

Q: Why does my Gentoo box pause for a minute before getting a new lease?

A: Because when a Gentoo box shuts down, it releases its lease with the server but remembers it on the client; this seems to be a Gentoo-specific patch to dhcpcd. On restart it tries to renew a lease which is long gone, as far as dnsmasq is concerned, and dnsmasq ignores it until is times out and restarts the process. To fix this, set the dhcp-authoritative flag in dnsmasq.

Q: My laptop has two network interfaces, a wired one and a wireless one. I never use both interfaces at the same time, and I'd like the same IP and configuration to be used irrespective of which interface is in use. How can I do that?

A: By default, the identity of a machine is determined by using the MAC address, which is associated with interface hardware. Once an IP is bound to the MAC address of one interface, it cannot be associated with another MAC address until after the DHCP lease expires. The solution to this is to use a client-id as the machine identity rather than the MAC address. If you arrange for the same client-id to sent when either interface is in use, the DHCP server will recognise the same machine, and use the same address. The method for setting the client-id varies with DHCP client software, dhcpcd uses the "-I" flag. Windows uses a registry setting, see http://www.jsiinc.com/SUBF/TIP2800/rh2845.htm

Addendum:
From version 2.46, dnsmasq has a solution to this which doesn't involve setting client-IDs. It's possible to put more than one MAC address in a --dhcp-host configuration. This tells dnsmasq that it should use the specified IP for any of the specified MAC addresses, and furthermore it gives dnsmasq permission to summarily abandon a lease to one of the MAC addresses if another one comes along. Note that this will work fine only as longer as only one interface is up at any time. There is no way for dnsmasq to enforce this constraint: if you configure multiple MAC addresses and violate
this rule, bad things will happen.

Addendum-II: The link above is dead, the former contents of the link are:

------------------------------------------------------------------------------
How can I keep the same DHCP client reservation, if the MAC address changes?
When you reserve an IP address for a DHCP client, you provide the MAC address of the client's NIC.
It is possible to use a custom identifier, which is sent as option 61 in the client's DHCP Discover and Request packet.
The DhcpClientIdentifier is a REG_DWORD value that is located at:
Windows NT 4.0 SP2+
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\<Adapter Name>\Parameters\Tcpip
where <Adapter Name> is the NIC driver name and 'X' is the number of the NIC.
Windows 2000
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\TcpIp\Parameters\Interfaces\<NIC GUID>
where <NIC GUID> is the GUID of the NIC.
The valid range of data is 0x0 - 0xFFFFFFFF. The custom identifier is send as 4 bytes, 8 hexadecimal character, in groups of 2 hexadecimal characters, with the groups being sent in reverse order. If the custom identifier is less than 8 hexadecimal characters, it is zero padded at the end. Examples:

<table>
<thead>
<tr>
<th>Custom Client Identifier</th>
<th>Client Reservation on DHCP Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>12345678</td>
<td>78563412</td>
</tr>
<tr>
<td>123456</td>
<td>56341200</td>
</tr>
<tr>
<td>123</td>
<td>34120000</td>
</tr>
<tr>
<td>1234567</td>
<td>67452301</td>
</tr>
<tr>
<td>12345</td>
<td>45230100</td>
</tr>
<tr>
<td>123</td>
<td>23010000</td>
</tr>
<tr>
<td>A18F42</td>
<td>428FA100</td>
</tr>
<tr>
<td>CF432</td>
<td>32F40C00</td>
</tr>
<tr>
<td>C32D1BE</td>
<td>BED1320C</td>
</tr>
</tbody>
</table>

Q: Can dnsmasq do DHCP on IP-alias interfaces?
A: Yes, from version-2.21. The support is only available running under Linux, on a kernel which provides the RT-netlink facility. All 2.4 and 2.6 kernels provide RT-netlink and it's an option in 2.2 kernels.

If a physical interface has more than one IP address or aliases with extra IP addresses, then any dhcp-ranges corresponding to these addresses can be used for address allocation. So if an interface has addresses 192.168.1.0/24 and 192.168.2.0/24 and there are DHCP ranges 192.168.1.100-192.168.1.200 and 192.168.2.100-192.168.2.200 then both ranges would be used for host connected to the physical interface. A more typical use might be to have one of the address-ranges as static-only, and have known hosts allocated addresses on that subnet using dhcp-host options, while anonymous hosts go on the other.

Q: Dnsmasq sometimes logs "nameserver xxx.xxx.xxx.xxx refused to do a recursive query" and DNS stops working. What's going on?

A: Probably the nameserver is an authoritative nameserver for a particular domain, but is not configured to answer general DNS queries for an arbitrary domain. It is not suitable for use by dnsmasq as an upstream server and should be removed from the configuration. Note that if you have more than one upstream nameserver configured dnsmasq will load-balance across them and it may be some time before dnsmasq gets around to using a particular nameserver. This means that a particular configuration may work for sometime with a broken upstream nameserver configuration.

Q: Does the dnsmasq DHCP server probe addresses before allocating them, as recommended in RFC2131?

A: Yes, dynamically allocated IP addresses are checked by sending an ICMP echo request (ping). If a reply is received, then dnsmasq assumes that the address is in use, and attempts to allocate a different address. The wait for a reply is between two and three seconds. Because the DHCP server is not re-entrant, it cannot serve other DHCP requests during this time. To avoid dropping requests, the address probe may be skipped when dnsmasq is under heavy load.

Q: I'm using dnsmasq on a machine with the Firestarter firewall, and DHCP doesn't work. What's the problem?
A: This a variant on the iptables problem. Explicit details on how to proceed can be found at http://lists.thekelleys.org.uk/pipermail/dnsmasq-discuss/2005q3/000431.html

Q: I'm using dnsmasq on a machine with the shorewall firewall, and DHCP doesn't work. What's the problem?

A: This a variant on the iptables problem. Explicit details on how to proceed can be found at http://lists.thekelleys.org.uk/pipermail/dnsmasq-discuss/2007q4/001764.html

Q: Dnsmasq fails to start up with a message about capabilities. Why did that happen and what can do to fix it?

A: Change your kernel configuration: either deselect CONFIG_SECURITY _or_ select CONFIG_SECURITY_CAPABILITIES. Alternatively, you can remove the need to set capabilities by running dnsmasq as root.

Q: Where can I get .rpms Suitable for openSUSE/SLES?

A: Dnsmasq is in openSUSE itself, and the latest releases are also available at http://download.opensuse.org/repositories/network/

Q: Can I run dnsmasq in a Linux vserver?

A: Yes, as a DNS server, dnsmasq will just work in a vserver. To use dnsmasq's DHCP function you need to give the vserver extra system capabilities. Please note that doing so will lesser the overall security of your system. The capabilities required are NET_ADMIN and NET_RAW. NET_ADMIN is essential, NET_RAW is required to do an ICMP "ping" check on newly allocated addresses. If you don't need this check, you can disable it with --no-ping and omit the NET_RAW capability.

Adding the capabilities is done by adding them, one per line, to either /etc/vservers/<<servername>>/ccapabilities for a 2.4 kernel or /etc/vservers/<<servername>>/bcapabilities for a 2.6 kernel (please refer to the vserver documentation for more information).

Q: What's the problem with syslog and dnsmasq?

A: In almost all cases: none. If you have the normal arrangement with local daemons logging to a local syslog, which then writes to disk, then there's never a problem. If you use network logging, then
there's a potential problem with deadlock: the syslog daemon will
do DNS lookups so that it can log the source of log messages,
these lookups will (depending on exact configuration) go through
dnsmasq, which also sends log messages. With bad timing, you can
arrive at a situation where syslog is waiting for dnsmasq, and
dnsmasq is waiting for syslog; they will both wait forever. This
problem is fixed from dnsmasq-2.39, which introduces asynchronous
logging: dnsmasq no longer waits for syslog and the deadlock is
broken. There is a remaining problem in 2.39, where "log-queries"
is in use. In this case most DNS queries generate two log lines, if
these go to a syslog which is doing a DNS lookup for each log line,
then those queries will in turn generate two more log lines, and a
chain reaction runaway will occur. To avoid this, use syslog-ng
and turn on syslog-ng's dns-cache function.

Q: DHCP doesn't work with windows Vista, but everything else is fine.

A: The DHCP client on windows Vista (and possibly later versions)
demands that the DHCP server send replies as broadcasts. Most other
clients don't do this. The broadcasts are send to
255.255.255.255. A badly configured firewall which blocks such
packets will show exactly these symptoms (Vista fails, others
work).

Q: DHCP doesn't work with windows 7 but everything else is fine.

A: There seems to be a problem if Windows 7 doesn't get a value for
DHCP option 252 in DHCP packets it gets from the server. The
symptoms have been variously reported as continual DHCPINFORM
requests in an attempt to get an option-252, or even ignoring DHCP
offers completely (and failing to get an IP address) if there is no
option-252 supplied. DHCP option 252 is for WPAD, WWW Proxy
Auto Detection and if you don't want or need to use that, then
simplest fix seems to be to supply an empty option with:

dhcp-option=252,"n"
1.153 commons-collections 3.2.2
1.153.1 Available under license:

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org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-util-scan
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```

1.167 zipkin-reporter-metrics-micrometer

2.11.0

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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTARED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTARED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTARED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#define COMPAT_POLL_H
#endif
#define COMPAT_POLL_H
typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
    /* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-
jar/org/springframework/test/context/SmartContextLoader.java
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 */
Kotlin compliant `WebTestClient.BodySpec` for expectations on the response body decoded
to a single Object, see [KT-5464](https://youtrack.jetbrains.com/issue/KT-5464) for
more details.
@since 5.0.6

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/web/reactive/server/WebTestClientExtensions.kt

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* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/context/support/DelegatingSmartContextLoader.java
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/context/web/WebDelegatingSmartContextLoader.java
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/context/support/GenericPropertiesContextLoader.java
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/context/support/GenericXmlContextLoader.java
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/web/servlet/setup/MockMvcConfigurerAdapter.java
* /opt/ws_local/PERMITS_SQL/1033212718_1591432933.35/0/spring-test-5-2-3-release-sources-jar/org/springframework/test/context/support/MergedTestPropertySources.java
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package spec

// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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Gocheck - A rich testing framework for Go

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.181 engine.io-client 1.8.5

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1.182 iperf 3.5

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* stdio.c
* by Mark Gates <mgates@nlanr.net>
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* --------------------------------------------------------------------------------
* input and output numbers, converting with kilo, mega, giga
* -------------------------------------------------------------------------------- */

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1.183 wildfly 10.1.0.Final

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1.184 json-path 2.4.0

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. 
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.190 ev-store 7.0.0

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1.197 python-jsonpatch 1.23

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1.198 angular-animate 1.7.9

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1.211 engine.io-parser 1.3.2

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------------------------------------------------------------------

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```
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```

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Version 3.1, 31 March 2009

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#Animate.css
*Just-add-water CSS animation*

`animate.css` is a bunch of cool, fun, and cross-browser animations for you to use in your projects. Great for emphasis, home pages, sliders, and general just-add-water-awesomeness.

## Basic Usage
1. Include the stylesheet on your document's `<head>`

```html
<head>
  <link rel="stylesheet" href="animate.min.css">
</head>
```

2. Add the class `animated` to the element you want to animate.
You may also want to include the class `infinite` for an infinite loop.

3. Finally you need to add one of the following classes:

* `bounce`
* `flash`
* `pulse`
* `rubberBand`
* `shake`
* `headShake`
* `swing`
* `tada`
* `wobble`
* `jello`
* `bounceIn`
* `bounceInDown`
* `bounceInLeft`
* `bounceInRight`
* `bounceInUp`
* `bounceOut`
* `bounceOutDown`
* `bounceOutLeft`
* `bounceOutRight`
* `bounceOutUp`
* `fadeIn`
* `fadeInDown`
* `fadeInDownBig`
* `fadeInLeft`
* `fadeInLeftBig`
* `fadeInRight`
* `fadeInRightBig`
* `fadeInUp`
* `fadeInUpBig`
* `fadeOut`
* `fadeOutDown`
* `fadeOutDownBig`
* `fadeOutLeft`
* `fadeOutLeftBig`
* `fadeOutRight`
* `fadeOutRightBig`
* `fadeOutUp`
* `fadeOutUpBig`
* `flipInX`
* `flipInY`
* `flipOutX`
* `flipOutY`  
* `lightSpeedIn`
* `lightSpeedOut`
* `rotateIn`
* `rotateInDownLeft`
* `rotateInDownRight`
* `rotateInUpLeft`
* `rotateInUpRight`
* `rotateOut`
* `rotateOutDownLeft`
* `rotateOutDownRight`
* `rotateOutUpLeft`
* `rotateOutUpRight`
* `hinge`
* `rollIn`
* `rollOut`
* `zoomIn`
* `zoomInDown`
* `zoomInLeft`
* `zoomInRight`
* `zoomInUp`
* `zoomOut`
* `zoomOutDown`
* `zoomOutLeft`
* `zoomOutRight`
* `zoomOutUp`
* `slideInDown`
* `slideInLeft`
* `slideInRight`
* `slideInUp`
* `slideOutDown`
* `slideOutLeft`
* `slideOutRight`
Full example:
```
<h1 class="animated infinite bounce">Example</h1>
```

[Check out all the animations here!](https://daneden.github.io/animate.css/)

## Usage
To use animate.css in your website, simply drop the stylesheet into your document's `<head>`, and add the class `animated` to an element, along with any of the animation names. That's it! You've got a CSS animated element. Super!

```
<head>
<link rel="stylesheet" href="animate.min.css">
</head>
```

You can do a whole bunch of other stuff with animate.css when you combine it with jQuery or add your own CSS rules. Dynamically add animations using jQuery with ease:

```
javascript
$('#yourElement').addClass('animated bounceOutLeft');
```

You can also detect when an animation ends:

```
javascript
$('yourElement').one('webkitAnimationEnd mozAnimationEnd MSAnimationEnd oanimationend animationend', doSomething);
```

[View a video tutorial](https://www.youtube.com/watch?v=CBQGl6zokMs) on how to use Animate.css with jQuery here.

**Note:** `$('#yourElement').one()` is used when you want to execute the event handler at most *once*. More information [here](http://api.jquery.com/one/).

You can change the duration of your animations, add a delay or change the number of times that it plays:
```css
#yourElement {
  -vendor-animation-duration: 3s;
  -vendor-animation-delay: 2s;
  -vendor-animation-iteration-count: infinite;
}
```

*Note: be sure to replace "vendor" in the CSS with the applicable vendor prefixes (webkit, moz, etc)*

## Custom Builds

Animate.css is powered by [gulp.js](http://gulpjs.com/), and you can create custom builds pretty easily. First of all, you'll need Gulp and all other dependencies:

```sh
$ cd path/to/animate.css/
$ sudo npm install
```

Next, run `gulp` to compile your custom builds. For example, if you want only some of the the attention seekers, simply edit the `animate-config.json` file to select only the animations you want to use.

```javascript
"attention_seekers": {
  "bounce": true,
  "flash": false,
  "pulse": false,
  "shake": true,
  "headShake": true,
  "swing": true,
  "tada": true,
  "wobble": true,
  "jello":true
}
```

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## Contributing

Pull requests are the way to go here. I apologise in advance for the slow action on pull requests and issues. I only have two rules for submitting a pull request: match the naming convention (camelCase, categorised [fades, bounces, etc]) and let us see a demo of submitted animations in a [pen](http://codepen.io). That last one is important.

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1.225 asm-analysis 7.1

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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK
If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

-------------------------------------------------------------------------------
Files: *
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-- vile: txtmode file-encoding=utf-8

1.228 python-pyopenssl 17.5.0
1.228.1 Available under license:

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1.229 shadow-securetty 4.6

1.230 elfutils 0.173

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1.231 stax-ex 1.8

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1.237 buffer-xor 1.0.3

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1.238 spring-cloud-starter-consul 2.2.0

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1.239 netty-resolver 4.1.45

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1.240 commons-lang3 3.9

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1.241 bean-validation-api 2.0.1

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1.242 jetty-util 9.4.26.v20200117

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache
The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.243 component-bind 1.0.0

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK
If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.250 @babel/runtime 7.10.2
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1.253 regenerator-runtime 0.13.5

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.257 after 0.8.2

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1.258 open-vm-tools 10.1.5

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>>> cvtutf-1.4
>>> freebsd-1.72
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>>> icu4c-4.4.1
>>> unicode-5.0

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>>> libmspack-0.0.20040308alpha

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>>> freebsd-base64-4.8

base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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>>> icu4c-4.4.1

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.  
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

MortBay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.268 jline 3.12.1

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1.269 spring-boot-starter-jetty 2.2.4
1.269.1 Available under license:

No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>

Found in path(s):

1.270 u-boot 2013.07
1.270.1 Available under license:

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.282 attr 2.4.47

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#!/bin/sh

# Guess values for system-dependent variables and create Makefiles.
# Generated by GNU Autoconf 2.69.
#
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### ----------------- ###
## M4sh Initialization. ##
### ----------------- ###
/

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1.283 angular-bootstrap-datetimepicker 1.1.4
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.eclipse.jetty.toolchain:jetty-schemas

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1.285 dash 0.5.10.2 5

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 */

/*@ !\file
 * \note
 * Notice to programmers: Do not use this code as an example of how to use the ISC library to perform DNS lookups. Dig and Host both operate on the request level, since they allow fine-tuning of output and are intended as debugging tools. As a result, they perform many of the functions which could be better handled using the dns_resolver functions in most applications.
 */

#include <config.h>
#include <inttypes.h>
#include <stdbool.h>
#include <stdlib.h>
#include <unistd.h>
#include <string.h>
#include <limits.h>
#include <errno.h>
#ifdef HAVE_LOCALE_H

#}
#include <locale.h>
#endif

#ifdef WITH_IDN_SUPPORT
#ifdef WITH_IDNKIT
#include <idn/result.h>
#include <idn/log.h>
#include <idn/resconf.h>
#include <idn/api.h>
#endif
#endif /* WITH_IDN_SUPPORT */

#include <dns/byaddr.h>
#ifdef DIG_SIGCHASE
#include <dns/callbacks.h>
#include <dns/dnssec.h>
#include <dns/ds.h>
#include <dns/master.h>
#include <dns/nsec.h>
#include <isc/random.h>
#include <ctype.h>
#endif
#include <dns/fixedname.h>
#include <dns/log.h>
#include <dns/message.h>
#include <dns/name.h>
#include <dns/rcode.h>
#include <dns/rdata.h>
#include <dns/rdataclass.h>
#include <dns/rdataclass.h>
#include <dns/rdataset.h>
#include <dns/rdatastruct.h>
#include <dns/result.h>
#include <dns/tsig.h>

#include <dst/dst.h>
#include <dst/result.h>

#include <isc/app.h>
#include <isc/base64.h>
#include <isc/entropy.h>
#include <isc/file.h>
#include <isc/hex.h>
#include <isc/lang.h>
#include <isc/log.h>
#include <isc/netaddr.h>
#include <isc/netdb.h>
#include <isc/parsenmt.h>
#include <isc/print.h>
#include <isc/random.h>
#include <isc/result.h>
#include <isc/safe.h>
#include <isc/serial.h>
#include <isc/sockaddr.h>
#include <isc/string.h>
#include <isc/task.h>
#include <isc/timer.h>
#include <isc/types.h>
#include <isc/util.h>

#include <pk11/site.h>

#include <isccfg/namedconf.h>

#include <lwres/lwres.h>
#include <lwres/net.h>

#include <bind9/getaddresses.h>

#include <dig/dig.h>

#ifdefined(PKCS11CRYPTO
#include <pk11/result.h>
#endif

#if !defined(NS_INADDRSZ)
#define NS_INADDRSZ	4
#endif

#if !defined(NS_IN6ADDRSZ)
#define NS_IN6ADDRSZ	16
#endif

static lwres_context_t *lwctx = NULL;
static lwres_conf_t *lwconf;

dig_lookuplist_t lookup_list;
dig_serverlist_t server_list;
dig_searchlistlist_t search_list;

bool
check_ra = false,
have_ipv4 = false,
have_ipv6 = false,
specified_source = false,
free_now = false,
cancel_now = false,
usesearch = false,
showsearch = false,
qr = false,
is_dst_up = false,
keep_open = false,
verbose = false;
in_port_t port = 53;
unsigned int timeout = 0;
unsigned int extrabytes;
isc_mem_t *mctx = NULL;
isc_log_t *lctx = NULL;
isc_taskmgr_t *taskmgr = NULL;
isc_task_t *global_task = NULL;
isc_timermgr_t *timermgr = NULL;
isc_socketmgr_t *socketmgr = NULL;
isc_sockaddr_t bind_address;
isc_sockaddr_t bind_any;
int sendcount = 0;
int recvcount = 0;
int sockcount = 0;
int ndots = -1;
int tries = 3;
int lookup_counter = 0;

static char servercookie[256];

#ifdef WITH_IDN_SUPPORT
static void idn_initialize(void);
static isc_result_t idn_locale_to_ace(const char *from,
char *to,
size_t tolen);
#endif /* WITH_IDN_SUPPORT */

#ifdef WITH_IDN_OUT_SUPPORT
static isc_result_t idn_ace_to_locale(const char *from,
char *to,
size_t tolen);
static isc_result_t output_filter(isc_buffer_t *buffer,
unsigned int used_org,
bool absolute);
#define MAXDLEN 256

```c
#ifdef WITH_IDNKIT
int idnoptions = 0;
#endif
#endif /* WITH_IDN_OUT_SUPPORT */

isc_socket_t *keep = NULL;
isc_sockaddr_t keepaddr;

/*%
 * Exit Codes:
 * *
 *\li0   Everything went well, including things like NXDOMAIN
 *\li1   Usage error
 *\li7   Got too many RR’s or Names
 *\li8   Couldn’t open batch file
 *\li9   No reply from server
 *\li10  Internal error
 */
int exitcode = 0;
int fatalexit = 0;
char keynametext[MXNAME];
char keyfile[MXNAME] = "";
char keysecret[MXNAME] = "";
unsigned char cookie_secret[33];
unsigned char cookie[8];
dns_name_t *hmacname = NULL;
unsigned int digestbits = 0;
isc_buffer_t *namebuf = NULL;
dns_tsigkey_t *tsigkey = NULL;
bool validated = true;
isc_entropy_t *entp = NULL;
isc_mempool_t *commctx = NULL;
bool debugging = false;
bool debugtiming = false;
bool memdebugging = false;
char *progname = NULL;
isc_mutex_t lookup_lock;
dig_lookup_t *current_lookup = NULL;
#endif DIG_SIGCHASE

isc_result_t get_trusted_key(void);
dns_rdataset_t * sigchase_scanname(dns_rdatatype_t type,
    dns_rdatatype_t covers,
    bool *lookedup,
    dns_name_t *rdata_name);
dns_rdataset_t * chase_scanname_section(dns_message_t *msg,
    dns_name_t *name,
```
dns_rdataset_t ** rdataset,
  dns_rdataset_t ** sigrdataset);
static void nameFromString(const char *str, dns_name_t *p_ret);
int inf_name(dns_name_t * name1, dns_name_t * name2);
isc_result_t removetmpkey(const char *file);
void clean_trustedkey(void);
isc_result_t insert_trustedkey(void *arg, dns_name_t *name,
  dns_rdataset_t *rdataset);
#if DIG_SIGCHASE_BU
isc_result_t getneededrr(dns_message_t *msg);
void sigchase_bottom_up(dns_message_t *msg);
void sigchase_bu(dns_message_t *msg);
#endif
#if DIG_SIGCHASE_TD
  char trustedkey[MXNAME] = "";
#endif

dns_rdataset_t *chase_rdataset = NULL;
dns_rdataset_t *chase_sigrdataset = NULL;
dns_rdataset_t *chase_dsrdataset = NULL;
dns_rdataset_t *chase_sigdsrdataset = NULL;
dns_rdataset_t *chase_keyrdataset = NULL;
dns_rdataset_t *chase_sigkeyrdataset = NULL;
dns_rdataset_t *chase_nsrdataset = NULL;
dns_name_t chase_name; /* the query name */
#if DIG_SIGCHASE_TD
  /*
   * the current name is the parent name when we follow delegation
   */
  dns_name_t chase_current_name;
  /*
   * the child name is used for delegation (NS DS responses in AUTHORITY section)
   */
  dns_name_t chase_authority_name;
#endif
#if DIG_SIGCHASE_BU
  dns_name_t chase_sigrname;
#endif
bool chase_siglookedup = false;
bool chase_keylookedup = false;
bool chase_sigkeylookedup = false;
bool chase_dslookedup = false;
bool chase炌dslookedup = false;
#if DIG_SIGCHASE_TD
bool chase_nslookedup = false;
bool chase_lookedup = false;
#endif

bool delegation_follow = false;
bool grandfather_pb = false;
bool have_response = false;
bool have_delegation_ns = false;
dns_message_t * error_message = NULL;
#endif

bool dsvalidating = false;
bool chase_name_dup = false;

ISC_LIST(dig_message_t) chase_message_list;
ISC_LIST(dig_message_t) chase_message_list2;

#define MAX_TRUSTED_KEY 5
typedef struct struct_trusted_key_list {
  dst_key_t * key[MAX_TRUSTED_KEY];
  int nb_tk;
} struct_tk_list;

struct_tk_list tk_list = { {NULL, NULL, NULL, NULL, NULL}, 0};
#endif

#define DIG_MAX_ADDRESSES 20

/* *
 * Apply and clear locks at the event level in global task.
 * Can I get rid of these using shutdown events? XXX *
 */
#define LOCK_LOOKUP {
  debug("lock_lookup %s:%d", __FILE__, __LINE__);
  check_result(isc_mutex_lock((&lookup_lock)), "isc_mutex_lock");
  debug("success");
}
#define UNLOCK_LOOKUP {
  debug("unlock_lookup %s:%d", __FILE__, __LINE__);
}
check_result(isc_mutex_unlock((&lookup_lock)),
    "isc_mutex_unlock");
}

/* dynamic callbacks */

#ifdef DIG_SIGCHASE
isc_result_t
(*dighost_printrdataset)(dns_name_t *owner_name, dns_rdataset_t *rdataset,
    isc_buffer_t *target);
#endif

isc_result_t
(*dighost_printmessage)(dig_query_t *query, dns_message_t *msg,
    bool headers);

void
(*dighost_received)(unsigned int bytes, isc_sockaddr_t *from, dig_query_t *query);

void
(*dighost_trying)(char *frm, dig_lookup_t *lookup);

void
(*dighost_shutdown)(void);

/* forward declarations */

static void
cancel_lookup(dig_lookup_t *lookup);

static void
recv_done(isc_task_t *task, isc_event_t *event);

static void
send_udp(dig_query_t *query);

static void
connect_timeout(isc_task_t *task, isc_event_t *event);

static void
launch_next_query(dig_query_t *query, bool include_question);

static void
check_next_lookup(dig_lookup_t *lookup);

static bool
next_origin(dig_lookup_t *oldlookup);
static void *
mem_alloc(void *arg, size_t size) {
return (isc_mem_get(arg, size));
}

static void
mem_free(void *arg, void *mem, size_t size) {
isc_mem_put(arg, mem, size);
}

char *
next_token(char **stringp, const char *delim) {
char *res;

do {
res = strsep(stringp, delim);
if (res == NULL)
break;
} while (*res == '\0');
return (res);
}

static int
count_dots(char *string) {
char *s;
int i = 0;

s = string;
while (*s != '\0') {
if (*s == '.')
i++;
s++;
}
return (i);
}

static void
hex_dump(isc_buffer_t *b) {
unsigned int len, i;
isc_region_t r;

isc_buffer_usedregion(b, &r);

printf("%u bytes\n", r.length);
for (len = 0; len < r.length; len++) {
printf("%02x ", r.base[len]);
if (len % 16 == 15) {
fputs("         ", stdout);
}
for (i = len - 15; i <= len; i++) {
    if (r.base[i] >= '!' && r.base[i] <= '}')
        putchar(r.base[i]);
    else
        putchar('.');
}
printf("\n");
}

if (len % 16 != 0) {
    for (i = len; (i % 16) != 0; i++)
        fputs("   ", stdout);
    fputs("         ", stdout);
    for (i = ((len>>4)<<4); i < len; i++) {
        if (r.base[i] >= '!' && r.base[i] <= '}
            putchar(r.base[i]);
        else
            putchar('.');
    }
    printf("\n");
}

/*%
 * Append 'len' bytes of 'text' at '*p', failing with
 * ISC_R_NOSPACE if that would advance p past 'end'.
 */
static isc_result_t
append(const char *text, size_t len, char **p, char *end) {
    if (*p + len > end)
        return (ISC_R_NOSPACE);
    memmove(*p, text, len);
    *p += len;
    return (ISC_R_SUCCESS);
}

static isc_result_t
reverse_octets(const char *in, char **p, char *end) {
    const char *dot = strchr(in, '.');
    size_t len;
    if (dot != NULL) {
        isc_result_t result = reverse_octets(dot + 1, p, end);
        if (result != ISC_R_SUCCESS)
            return (result);
        result = append('.', 1, p, end);
        if (result != ISC_R_SUCCESS)
            return (result);

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len = (int) (dot - in);
} else {
len = (int) strlen(in);
}
return (append(in, len, p, end));
}

isc_result_t
get_reverse(char *reverse, size_t len, char *value, bool ip6_int,
    bool strict)
{
    int r;
    isc_result_t result;
    isc_netaddr_t addr;

    addr.family = AF_INET6;
    r = inet_pton(AF_INET6, value, &addr.type.in6);
    if (r > 0) {
        /* This is a valid IPv6 address. */
        dns_fixedname_t fname;
        dns_name_t *name;
        unsigned int options = 0;

        if (ip6_int)
            options |= DNS_BYADDROPT_IPV6INT;
        name = dns_fixedname_initname(&fname);
        result = dns_byaddr_createptrname2(&addr, options, name);
        if (result != ISC_R_SUCCESS)
            return (result);
        dns_name_format(name, reverse, (unsigned int)len);
        return (ISC_R_SUCCESS);
    } else {
        /* Not a valid IPv6 address. Assume IPv4.
         * If 'strict' is not set, construct the
         * in-addr.arpa name by blindly reversing
         * octets whether or not they look like integers,
         * so that this can be used for RFC2317 names
         * and such.
         */
        char *p = reverse;
        char *end = reverse + len;
        if (strict && inet_pton(AF_INET, value, &addr.type.in) != 1)
            return (DNS_R_BADDOTQUAD);
        result = reverse_octets(value, &p, end);
        if (result != ISC_R_SUCCESS)
            return (result);
        /* Append .in-addr.arpa. and a terminating NUL. */
result = append("\n.in-addr.arpa.", 15, &p, end);
if (result != ISC_R_SUCCESS)
    return (result);
return (ISC_R_SUCCESS);
}

void
fatal(const char *format, ...) {
va_list args;

fflush(stdout);
fprintf(stderr, "%s: ", programe);
va_start(args, format);
vfprintf(stderr, format, args);
va_end(args);
fprintf(stderr, "\n");
if (exitcode < 10)
    exitcode = 10;
if (fatalexit != 0)
    exitcode = fatalexit;
exit(exitcode);
}

void
debug(const char *format, ...) {
va_list args;
isc_time_t t;

if (debugging) {
    fflush(stdout);
    if (debugtiming) {
        TIME_NOW(&t);
        fprintf(stderr, "%u.%06u: ", isc_time_seconds(&t),
                isc_time_nanoseconds(&t) / 1000);
    }
    va_start(args, format);
    vfprintf(stderr, format, args);
    va_end(args);
    fprintf(stderr, "\n");
}

check_result(isc_result_t result, const char *msg) {
if (result != ISC_R_SUCCESS) {
    fatal("%s: %s", msg, isc_result_totext(result));
}
/*%
 * Create a server structure, which is part of the lookup structure.
 * This is little more than a linked list of servers to query in hopes
 * of finding the answer the user is looking for
 */
dig_server_t *
make_server(const char *servname, const char *userarg) {
    dig_server_t *srv;

    REQUIRE(servname != NULL);

dbg("make_server(%s)", servname);
srv = isc_mem_allocate(mctx, sizeof(struct dig_server));
if (srv == NULL)
fatal("memory allocation failure in %s:%d",
     __FILE__, __LINE__);
strlcpy(srv->servername, servname, MXNAME);
strlcpy(srv->userarg, userarg, MXNAME);
ISC_LINK_INIT(srv, link);
return (srv);
}

static int
addr2af(int lwresaddrtype)
{
    int af = 0;

switch (lwresaddrtype) {
    case LWRES_ADDRTYPE_V4:
        af = AF_INET;
        break;
    case LWRES_ADDRTYPE_V6:
        af = AF_INET6;
        break;
}

return (af);
}

/*%
 * Create a copy of the server list from the lwres configuration structure.
 * The dest list must have already had ISC_LIST_INIT applied.
 */
static void
copy_server_list(lwres_conf_t *confdata, dig_serverlist_t *dest) {
}
dig_server_t *newsrv;
int af;
int i;

debug("copy_server_list()’);
for (i = 0; i < confdata->nsnext; i++) {
    af = addr2af(confdata->nameservers[i].family);
    if (af == AF_INET && !have_ipv4)
        continue;
    if (af == AF_INET6 && !have_ipv6)
        continue;

    lwres_net_ntop(af, confdata->nameservers[i].address,
                   tmp, sizeof(tmp));
    if (af == AF_INET6 && confdata->nameservers[i].zone != 0) {
        char buf[sizeof("%4000000000")];
        snprintf(buf, sizeof(buf), "%%%u",
                 confdata->nameservers[i].zone);
        strlcat(tmp, buf, sizeof(tmp));
    }
    newsrv = make_server(tmp, tmp);
    ISC_LINK_INIT(newsrv, link);
    ISC_LIST_ENQUEUE(*dest, newsrv, link);
}

void
flush_server_list(void) {
    dig_server_t *s, *ps;

debug("flush_server_list()’);
    s = ISC_LIST_HEAD(server_list);
    while (s != NULL) {
        ps = s;
        s = ISC_LIST_NEXT(s, link);
        ISC_LIST_DEQUEUE(server_list, ps, link);
        isc_mem_free(mctx, ps);
    }
}

void
set_nameserver(char *opt) {
    isc_result_t result;
    isc_sockaddr_t sockaddr[DIG_MAX_ADDRESSES];
    isc_netaddr_t netaddr;
int count, i;
dig_server_t *srv;
char tmp[ISC_NETADDR_FORMATSIZE];

if (opt == NULL)
    return;

result = bind9_getaddresses(opt, 0, sockaddrs,
    DIG_MAX_ADDRESSES, &count);
if (result != ISC_R_SUCCESS)
    fatal("couldn't get address for '%s': %s",
        opt, isc_result_totext(result));

flush_server_list();

for (i = 0; i < count; i++) {
    isc_netaddr_fromsockaddr(&netaddr, &sockaddrs[i]);
    isc_netaddr_format(&netaddr, tmp, sizeof(tmp));
    srv = make_server(tmp, opt);
    if (srv == NULL)
        fatal("memory allocation failure");
    ISC_LIST_APPEND(server_list, srv, link);
}

static isc_result_t
add_nameserver(lwres_conf_t *confdata, const char *addr, int af) {

    int i = confdata->nsnext;

    if (confdata->nsnext >= LWRES_CONFMAXNAMESERVERS)
        return (ISC_R_FAILURE);

    switch (af) {
    case AF_INET:
        confdata->nameservers[i].family = LWRES_ADDRTYPE_V4;
        confdata->nameservers[i].length = NS_INADDRSZ;
        break;
    case AF_INET6:
        confdata->nameservers[i].family = LWRES_ADDRTYPE_V6;
        confdata->nameservers[i].length = NS_IN6ADDRSZ;
        break;
    default:
        return (ISC_R_FAILURE);
    }

    if (lwres_net_pton(af, addr, &confdata->nameservers[i].address) == 1) {
        confdata->nsnext++;
    }
}
/*% 
* Produce a cloned server list. The dest list must have already had
* ISC_LIST_INIT applied.
*/

void
close_server_list(dig_serverlist_t src, dig_serverlist_t *dest) {
    dig_server_t *srv, *newsrv;

debug("clone_server_list()");
srv = ISC_LIST_HEAD(src);
while (srv != NULL) {
    newsrv = make_server(srv->servername, srv->userarg);
    ISC_LINK_INIT(newsrv, link);
    ISC_LIST_ENQUEUE(*dest, newsrv, link);
    srv = ISC_LIST_NEXT(srv, link);
}
}

/*% 
* Create an empty lookup structure, which holds all the information needed
* to get an answer to a user’s question. This structure contains two
* linked lists: the server list (servers to query) and the query list
* (outstanding queries which have been made to the listed servers).
*/
dig_lookup_t *
make_empty_lookup(void) {
    dig_lookup_t *looknew;

debug("make_empty_lookup()");

INSIST(!free_now);

looknew = isc_mem_allocate(mctx, sizeof(struct dig_lookup));
if (looknew == NULL)
fatal("memory allocation failure in %s:%d",
    __FILE__, __LINE__);
looknew->pending = true;
looknew->textname[0] = 0;
looknew->cmdline[0] = 0;
looknew->rdtype = dns_rdatatype_a;
looknew->qrdtype = dns_rdatatype_a;
looknew->rdclass = dns_rdataclass_in;
looknew->rdtypeset = false;
looknew->rdclassset = false;
looknew->sendspace = NULL;
looknew->sendmsg = NULL;
looknew->name = NULL;
looknew->oname = NULL;
looknew->xfr_q = NULL;
looknew->current_query = NULL;
looknew->doing_xfr = false;
looknew->ixfr_serial = 0;
looknew->trace = false;
looknew->trace_root = false;
looknew->identify = false;
looknew->identify_previous_line = false;
looknew->ignore = false;
looknew->servfail_stops = true;
looknew->besteffort = true;
looknew->dnssec = false;
looknew->ednsflags = 0;
looknew->opcode = dns_opcode_query;
looknew->expire = false;
looknew->nsid = false;
looknew->header_only = false;
looknew->sendcookie = false;
looknew->seenbadcookie = false;
looknew->badcookie = true;
#if defined WITH_IDN_SUPPORT
looknew->idnin = isatty(1)?(getenv("IDN_DISABLE") == NULL):false;
#else
looknew->idnin = false;
#endif
#if defined WITH_IDN_OUT_SUPPORT
looknew->idnout = looknew->idnin;
#else
looknew->idnout = false;
#endif
#if defined DIG_SIGCHASE
looknew->sigchase = false;
#endif
#if defined DIG_SIGCHASE_TD
looknew->do_topdown = false;
looknew->trace_root_sigchase = false;
looknew->rdtype_sigcheset = false;
looknew->rdtype_sigchase = dns_rdatatype_any;
looknew->qrdtype_sigchase = dns_rdatatype_any;
looknew->rdclass_sigchase = dns_rdataclass_in;
looknew->rdclass_sigisheset = false;
#endif
looknew->udpsize = 0;
looknew->edns = -1;
looknew->recurse = true;
looknew->aaonly = false;
looknew->adflag = false;
looknew->cdflag = false;
looknew->print_unknown_format = false;
looknew->zflag = false;
looknew->ns_search_only = false;
looknew->origin = NULL;
looknew->tsigctx = NULL;
looknew->querysig = NULL;
looknew->retries = tries;
looknew->nsfound = 0;
looknew->tcp_mode = false;
looknew->tcp_mode_set = false;
looknew->ip6_int = false;
looknew->comments = true;
looknew->stats = true;
looknew->section_question = true;
looknew->section_answer = true;
looknew->section_authority = true;
looknew->section_additional = true;
looknew->new_search = false;
looknew->done_as_is = false;
looknew->need_search = false;
looknew->ecs_addr = NULL;
looknew->cookie = NULL;
looknew->ednsopts = NULL;
looknew->ednsoptscent = 0;
looknew->ednsneg = true;
looknew->mapped = true;
looknew->dscp = -1;
looknew->eoferr = 0;
dns_fixedname_init(&looknew->fdomain);
ISC_LINK_INIT(looknew, link);
ISC_LIST_INIT(looknew->q);
ISC_LIST_INIT(looknew->connecting);
ISC_LIST_INIT(looknew->my_server_list);
return (looknew);
}

#define EDNSOPT_OPTIONS 100U

static void
cloneopts(dig_lookup_t *looknew, dig_lookup_t *lookold) {
    size_t len = sizeof(looknew->ednsopts[0]) * EDNSOPT_OPTIONS;
    size_t i;
    looknew->ednsopts = isc_mem_allocate(mctx, len);
    for (i = 0; i < EDNSOPT_OPTIONS; i++) {
        looknew->ednsopts[i] = lookold->ednsopts[i];
    }
    return;
}
if (looknew->ednsopts == NULL)
    fatal("out of memory");
for (i = 0; i < EDNSOPT_OPTIONS; i++) {
    looknew->ednsopts[i].code = 0;
    looknew->ednsopts[i].length = 0;
    looknew->ednsopts[i].value = NULL;
}
looknew->ednsoptscnt = 0;
if (lookold == NULL || lookold->ednsopts == NULL)
    return;
for (i = 0; i < lookold->ednsoptscnt; i++) {
    len = lookold->ednsopts[i].length;
    if (len != 0) {
        INSIST(lookold->ednsopts[i].value != NULL);
        looknew->ednsopts[i].value =
            isc_mem_allocate(mctx, len);
        if (looknew->ednsopts[i].value == NULL)
            fatal("out of memory");
        memmove(looknew->ednsopts[i].value,
                lookold->ednsopts[i].value, len);
    }
    looknew->ednsopts[i].code = lookold->ednsopts[i].code;
    looknew->ednsopts[i].length = len;
}
looknew->ednsoptscnt = lookold->ednsoptscnt;
}

/*%
 * Clone a lookup, perhaps copying the server list. This does not clone
 * the query list, since it will be regenerated by the setup_lookup()
 * function, nor does it queue up the new lookup for processing.
 * Caution: If you don't clone the servers, you MUST clone the server
 * list separately from somewhere else, or construct it by hand.
 */
dig_lookup_t *
clone_lookup(dig_lookup_t *lookold, bool servers) {
    dig_lookup_t *looknew;

d debug("clone_lookup()");

    INSIST(!free_now);

    looknew = make_empty_lookup();
    INSIST(looknew != NULL);
    strlcpy(looknew->textname, lookold->textname, MXNAME);
    #if DIG_SIGCHASE_TD
    strlcpy(looknew->textnamesigchase, lookold->textnamesigchase, MXNAME);
    #endif

strlcpy(looknew->cmdline, lookold->cmdline, MXNAME);
looknew->textname[MXNAME-1] = 0;
looknew->rdtype = lookold->rdtype;
looknew->qrdtype = lookold->qrdtype;
looknew->rdclass = lookold->rdclass;
looknew->rdtypeset = lookold->rdtypeset;
looknew->rdclassset = lookold->rdclassset;
looknew->doing_xfr = lookold->doing_xfr;
looknew->ixfr_serial = lookold->ixfr_serial;
looknew->trace = lookold->trace;
looknew->trace_root = lookold->trace_root;
looknew->identify = lookold->identify;
looknew->identify_previous_line = lookold->identify_previous_line;
looknew->ignore = lookold->ignore;
looknew->servfail_stops = lookold->servfail_stops;
looknew->besteffort = lookold->besteffort;
looknew->dnssec = lookold->dnssec;
looknew->ednsflags = lookold->ednsflags;
looknew->opcode = lookold->opcode;
looknew->expire = lookold->expire;
looknew->nsid = lookold->nsid;
looknew->header_only = lookold->header_only;
looknew->sendcookie = lookold->sendcookie;
looknew->seenbadcookie = lookold->seenbadcookie;
looknew->badcookie = lookold->badcookie;
looknew->cookie = lookold->cookie;
if (lookold->ednsopts != NULL) {
clearopts(looknew, lookold);
} else {
looknew->ednsopts = NULL;
looknew->ednsoptscnt = 0;
}
looknew->ednsneg = lookold->ednsneg;
looknew->mapped = lookold->mapped;
looknew->idnin = lookold->idnin;
looknew->idnout = lookold->idnout;
#ifdef DIG_SIGCHASE
looknew->sigchase = lookold->sigchase;
#endif DIG_SIGCHASE_TD
looknew->do_topdown = lookold->do_topdown;
looknew->trace_root_sigchase = lookold->trace_root_sigchase;
looknew->rdtype_sigchaseset = lookold->rdtype_sigchaseset;
looknew->rdtype_sigchase = lookold->rdtype_sigchase;
looknew->qrdtype_sigchase = lookold->qrdtype_sigchase;
looknew->rdclass_sigchase = lookold->rdclass_sigchase;
looknew->rdclass_sigchaseset = lookold->rdclass_sigchaseset;
#endif
#endif

looknew->udpsize = lookold->udpsize;
looknew->edns = lookold->edns;
looknew->recurse = lookold->recurse;
looknew->aaonly = lookold->aaonly;
looknew->adflag = lookold->adflag;
looknew->cdflag = lookold->cdflag;
looknew->print_unknown_format = lookold->print_unknown_format;
looknew->zflag = lookold->zflag;
looknew->ns_search_only = lookold->ns_search_only;
looknew->tcp_mode = lookold->tcp_mode;
looknew->tcp_mode_set = lookold->tcp_mode_set;
looknew->comments = lookold->comments;
looknew->stats = lookold->stats;
looknew->section_question = lookold->section_question;
looknew->section_answer = lookold->section_answer;
looknew->section_authority = lookold->section_authority;
looknew->section_additional = lookold->section_additional;
looknew->origin = lookold->origin;
looknew->retries = lookold->retries;
looknew->tsigctx = NULL;
looknew->need_search = lookold->need_search;
looknew->done_as_is = lookold->done_as_is;
looknew->dscp = lookold->dscp;
looknew->eoferr = lookold->eoferr;

if (lookold->ecs_addr != NULL) {
  size_t len = sizeof(isc_sockaddr_t);
  looknew->ecs_addr = isc_mem_allocate(mctx, len);
  if (looknew->ecs_addr == NULL)
    fatal("out of memory");
  memmove(looknew->ecs_addr, lookold->ecs_addr, len);
}

dns_name_copy(dns_fixedname_name(&lookold->fdomain),
               dns_fixedname_name(&looknew->fdomain), NULL);

if (servers)
  clone_server_list(lookold->my_server_list,
                   &looknew->my_server_list);
return (looknew);

/*%
 * Requeue a lookup for further processing, perhaps copying the server
 * list. The new lookup structure is returned to the caller, and is
 * queued for processing. If servers are not cloned in the requeue, they
 * must be added before allowing the current event to complete, since the
dig_lookup_t *
requeue_lookup(dig_lookup_t *lookold, bool servers) {
    dig_lookup_t *looknew;

dbgsn("requeue_lookup()");

    lookup_counter++;
    if (lookup_counter > LOOKUP_LIMIT)
        fatal("too many lookups");

    looknew = clone_lookup(lookold, servers);
    INSIST(looknew != NULL);

dbgsn("before insertion, init@%p -> %p, new@%p -> %p",
        lookold, lookold->link.next, looknew, looknew->link.next);
    ISC_LIST_PREPEND(lookup_list, looknew, link);
    dbgsn("after insertion, init -> %p, new = %p, new -> %p",
        lookold, looknew, looknew->link.next);
    return (looknew);
}

void
setup_text_key(void) {
    isc_result_t result;
    dns_name_t keyname;
    isc_buffer_t secretbuf;
    unsigned int secretssize;
    unsigned char *secretstore;

dbgsn("setup_text_key()");
    result = isc_buffer_allocate(mctx, &namebuf, MXNAME);
    check_result(result, "isc_buffer_allocate");
    dns_name_init(&keyname, NULL);
    check_result(result, "dns_name_init");
    isc_buffer_putstr(namebuf, keynametext);
    secretssize = (unsigned int) strlen(keysecret) * 3 / 4;
    secretstore = isc_mem_allocate(mctx, secretssize);
    if (secretstore == NULL)
        fatal("memory allocation failure in %s:%d",
            __FILE__, __LINE__);
    isc_buffer_init(&secretbuf, secretstore, secretssize);
    result = isc_base64_decodestring(keysecret, &secretbuf);
    if (result != ISC_R_SUCCESS)
        goto failure;
    isc_buffer_init(&secretbuf, secretstore, secretssize);
    result = isc_base64_decodestring(keysecret, &secretbuf);
    if (result != ISC_R_SUCCESS)
        goto failure;
}
secretsize = isc_buffer_usedlength(&secretbuf);

if (hmacname == NULL) {
    result = DST_R_UNSUPPORTEDALG;
    goto failure;
}

result = dns_name_fromtext(&keyname, namebuf, dns_rootname, 0, namebuf);
if (result != ISC_R_SUCCESS)
goto failure;

result = dns_tsigkey_create(&keyname, hmacname, secretstore,
    (int)secretsize, false, NULL, 0, 0,
    mctx, NULL, &tsigkey);

failure:
if (result != ISC_R_SUCCESS)
    printf(";; Couldn't create key %s: %s\n",
        keynametext, isc_result_totext(result));
else
dst_key_setbits(tsigkey->key, digestbits);
isc_mem_free(mctx, secretstore);
dns_name_invalidate(&keyname);
isc_buffer_free(&namebuf);
}

static isc_result_t
parse_uint_helper(uint32_t *uip, const char *value, uint32_t max,
    const char *desc, int base) {
    uint32_t n;
    isc_result_t result = isc_parse_uint32(&n, value, base);
    if (result == ISC_R_SUCCESS && n > max)
        result = ISC_R_RANGE;
    if (result != ISC_R_SUCCESS) {
        printf("invalid %s '%s': %s\n", desc,
            value, isc_result_totext(result));
        return (result);
    }
    *uip = n;
    return (ISC_R_SUCCESS);
}

isc_result_t
parse_uint(uint32_t *uip, const char *value, uint32_t max,
    const char *desc) {
    return (parse_uint_helper(uip, value, max, desc, 10));
}
isc_result_t
parse_xint(uint32_t *uip, const char *value, uint32_t max,
           const char *desc)
    { return (parse_uint_helper(uip, value, max, desc, 0)); }

static uint32_t
parse_bits(char *arg, const char *desc, uint32_t max) {
    isc_result_t result;
    uint32_t tmp;

    result = parse_uint(&tmp, arg, max, desc);
    if (result != ISC_R_SUCCESS)
        fatal("couldn't parse digest bits");
    tmp = (tmp + 7) & ~0x7U;
    return (tmp); }

isc_result_t
parse_netprefix(isc_sockaddr_t **sap, const char *value) {
    isc_result_t result = ISC_R_SUCCESS;
    isc_sockaddr_t *sa = NULL;
    struct in_addr in4;
    struct in6_addr in6;
    uint32_t prefix_length = 0xffffffff;
    char *slash = NULL;
    bool parsed = false;
    bool prefix_parsed = false;

    REQUIRE(sap != NULL && *sap == NULL);
    if (strlcpy(buf, value, sizeof(buf)) >= sizeof(buf))
        fatal("invalid prefix '%s'", value);
    sa = isc_mem_allocate(mctx, sizeof(*sa));
    if (sa == NULL)
        fatal("out of memory");
    memset(sa, 0, sizeof(*sa));
    if (strcmp(buf, "0") == 0) {
        sa->type.sa.sa_family = AF_UNSPEC;
        prefix_length = 0;
        goto done;
    }
    slash = strchr(buf, '/');
if (slash != NULL) {
    *slash = '\0';
    result = isc_parse_uint32(&prefix_length, slash + 1, 10);
    if (result != ISC_R_SUCCESS) {
        fatal("invalid prefix length in '%s': %s\n",
             value, isc_result_totext(result));
    }
    prefix_parsed = true;
}

if (inet_pton(AF_INET6, buf, &in6) == 1) {
    parsed = true;
    isc_sockaddr_fromin6(sa, &in6, 0);
    if (prefix_length > 128)
        prefix_length = 128;
} else if (inet_pton(AF_INET, buf, &in4) == 1) {
    parsed = true;
    isc_sockaddr_fromin(sa, &in4, 0);
    if (prefix_length > 32)
        prefix_length = 32;
} else if (prefix_parsed) {
    int i;

    for (i = 0; i < 3 && strlen(buf) < sizeof(buf) - 2; i++) {
        strlcat(buf, ".0", sizeof(buf));
        if (inet_pton(AF_INET, buf, &in4) == 1) {
            parsed = true;
            isc_sockaddr_fromin(sa, &in4, 0);
            break;
        }
    }

    if (prefix_length > 32)
        prefix_length = 32;
}

if (!parsed)
    fatal("invalid address '%s'", value);

done:
sa->length = prefix_length;
*sap = sa;

return (ISC_R_SUCCESS);
}

/*
 * Parse HMAC algorithm specification
void
parse_hmac(const char *hmac) {
    char buf[20];
    size_t len;

    REQUIRE(hmac != NULL);

    len = strlen(hmac);
    if (len >= sizeof(buf))
        fatal("unknown key type ".s", (int)len, hmac);
    strlcpy(buf, hmac, sizeof(buf));

    digestbits = 0;

#ifndef PK11_MD5_DISABLE
    if (strcasecmp(buf, "hmac-md5") == 0) {
        hmacname = DNS_TSIG_HMACMD5_NAME;
    } else if (strncasecmp(buf, "hmac-md5-", 9) == 0) {
        hmacname = DNS_TSIG_HMACMD5_NAME;
        digestbits = parse_bits(&buf[9], "digest-bits [0..128]", 128);
    } else
#endif
    if (strcasecmp(buf, "hmac-sha1") == 0) {
        hmacname = DNS_TSIG_HMACSHA1_NAME;
        digestbits = 0;
    } else if (strncasecmp(buf, "hmac-sha1-", 10) == 0) {
        hmacname = DNS_TSIG_HMACSHA1_NAME;
        digestbits = parse_bits(&buf[10], "digest-bits [0..160]", 160);
    } else if (strcasecmp(buf, "hmac-sha224") == 0) {
        hmacname = DNS_TSIG_HMACSHA224_NAME;
    } else if (strncasecmp(buf, "hmac-sha224-", 12) == 0) {
        hmacname = DNS_TSIG_HMACSHA224_NAME;
        digestbits = parse_bits(&buf[12], "digest-bits [0..224]", 224);
    } else if (strcasecmp(buf, "hmac-sha256") == 0) {
        hmacname = DNS_TSIG_HMACSHA256_NAME;
    } else if (strncasecmp(buf, "hmac-sha256-", 12) == 0) {
        hmacname = DNS_TSIG_HMACSHA256_NAME;
        digestbits = parse_bits(&buf[12], "digest-bits [0..256]", 256);
    } else if (strncasecmp(buf, "hmac-sha384") == 0) {
        hmacname = DNS_TSIG_HMACSHA384_NAME;
    } else if (strncasecmp(buf, "hmac-sha384-", 12) == 0) {
        hmacname = DNS_TSIG_HMACSHA384_NAME;
        digestbits = parse_bits(&buf[12], "digest-bits [0..384]", 384);
    } else if (strncasecmp(buf, "hmac-sha512") == 0) {
        hmacname = DNS_TSIG_HMACSHA512_NAME;
    } else if (strncasecmp(buf, "hmac-sha512-", 12) == 0) {
        hmacname = DNS_TSIG_HMACSHA512_NAME;
    } else if (strncasecmp(buf, "hmac-sha512", 12) == 0) {
        hmacname = DNS_TSIG_HMACSHA512_NAME;
digestbits = parse_bits(&buf[12], "digest-bits [0..512]", 512);
} else {
    fprintf(stderr, ";; Warning, ignoring 
    "invalid TSIG algorithm %s\n", buf);
}
}

/*
 * Get a key from a named.conf format keyfile
 */
static isc_result_t
read_confkey(void) {
    cfg_parser_t *pctx = NULL;
    cfg_obj_t *file = NULL;
    const cfg_obj_t *keyobj = NULL;
    const cfg_obj_t *secretobj = NULL;
    const cfg_obj_t *algorithmobj = NULL;
    const char *keyname;
    const char *secretstr;
    const char *algorithm;
    isc_result_t result;

    if (! isc_file_exists(keyfile))
        return (ISC_R_FILENOTFOUND);

    result = cfg_parser_create(mctx, NULL, &pctx);
    if (result != ISC_R_SUCCESS)
        goto cleanup;

    result = cfg_parse_file(pctx, keyfile, &cfg_type_sessionkey,
        &file);
    if (result != ISC_R_SUCCESS)
        goto cleanup;

    result = cfg_map_get(file, "key", &keyobj);
    if (result != ISC_R_SUCCESS)
        goto cleanup;

    (void) cfg_map_get(keyobj, "secret", &secretobj);
    (void) cfg_map_get(keyobj, "algorithm", &algorithmobj);
    if (secretobj == NULL || algorithmobj == NULL)
        fatal("key must have algorithm and secret");

    keyname = cfg_obj_asstring(cfg_map_getname(keyobj));
    secretstr = cfg_obj_asstring(secretobj);
    algorithm = cfg_obj_asstring(algorithmobj);

    strlcpy(keynametext, keyname, sizeof(keynametext));

    return (ISC_R_SUCCESS);
}
strcpy(keysecret, secretstr, sizeof(keysecret));
parse_hmac(algorithm);
setup_text_key();
cleanup:
if (pctx != NULL) {
    if (file != NULL)
        cfg_obj_destroy(pctx, &file);
    cfg_parser_destroy(&pctx);
}
return (result);
}
void
setup_file_key(void) {
    isc_result_t result;
    dst_key_t *dstkey = NULL;

dbg("setup_file_key()");

    /* Try reading the key from a K* pair */
    result = dst_key_fromnamedfile(keyfile, NULL,
        DST_TYPE_PRIVATE | DST_TYPE_KEY, mctx,
        &dstkey);

    /* If that didn't work, try reading it as a session.key keyfile */
    if (result != ISC_R_SUCCESS) {
        result = read_confkey();
        if (result == ISC_R_SUCCESS)
            return;
    }

    if (result != ISC_R_SUCCESS) {
        fprintf(stderr, "Couldn't read key from %s: %s\n",
            keyfile, isc_result_totext(result));
        goto failure;
    }

    switch (dst_key_alg(dstkey)) {
    #ifndef PK11_MD5_DISABLE
    case DST_ALG_HMACMD5:
        hmacname = DNS_TSIG_HMACMD5_NAME;
        break;
    #endif
    case DST_ALG_HMACSHA1:
        hmacname = DNS_TSIG_HMACSHA1_NAME;
        break;
    case DST_ALG_HMACSHA256:
        hmacname = DNS_TSIG_HMACSHA256_NAME;
        break;
    case DST_ALG_HMACSHA384:
        hmacname = DNS_TSIG_HMACSHA384_NAME;
        break;
    case DST_ALG_HMACSHA512:
        hmacname = DNS_TSIG_HMACSHA512_NAME;
        break;
    }
case DST_ALG_HMACSHA224:
    hmacname = DNS_TSIG_HMACSHA224_NAME;
    break;
case DST_ALG_HMACSHA256:
    hmacname = DNS_TSIG_HMACSHA256_NAME;
    break;
case DST_ALG_HMACSHA384:
    hmacname = DNS_TSIG_HMACSHA384_NAME;
    break;
case DST_ALG_HMACSHA512:
    hmacname = DNS_TSIG_HMACSHA512_NAME;
    break;
default:
    printf(";; Couldn't create key %s: bad algorithm\n", keynametext);
    goto failure;
}
result = dns_tsigkey_createfromkey(dst_key_name(dstkey), hmacname,
    dstkey, false, NULL, 0, 0,
    mctx, NULL, &tsigkey);
if (result != ISC_R_SUCCESS) {
    printf(";; Couldn't create key %s: %s\n", keynametext, isc_result_totext(result));
    goto failure;
}
failure:
if (dstkey != NULL)
    dst_key_free(&dstkey);
}

static dig_searchlist_t *
make_searchlist_entry(char *domain) {
    dig_searchlist_t *search;
    search = isc_mem_allocate(mctx, sizeof(*search));
    if (search == NULL)
        fatal("memory allocation failure in %s:%d",
                __FILE__, __LINE__);
    strlcpy(search->origin, domain, MXNAME);
    search->origin[MXNAME-1] = 0;
    ISC_LINK_INIT(search, link);
    return (search);
}

static void
clear_searchlist(void) {
    dig_searchlist_t *search;
    while ((search = ISC_LIST_HEAD(search_list)) != NULL) {
        ISC_LIST_UNLINK(search_list, search, link);
    }
}
isc_mem_free(mctx, search);
}

static void create_search_list(lwres_conf_t *confdata) {
    int i;
    dig_searchlist_t *search;

d debug("create_search_list()");
clear_searchlist();

    for (i = 0; i < confdata->searchnxt; i++) {
        search = make_searchlist_entry(confdata->search[i]);
        ISC_LIST_APPEND(search_list, search, link);
    }
}

/*%
 * Setup the system as a whole, reading key information and resolv.conf
 * settings.
 */

void setup_system(bool ipv4only, bool ipv6only) {
    dig_searchlist_t *domain = NULL;
    lwres_result_t lwresult;
    unsigned int lwresflags;
    isc_result_t result;

d debug("setup_system()");

    if (ipv4only) {
        if (have_ipv4) {
            isc_net_disableipv6();
            have_ipv6 = false;
        } else {
            fatal("can't find IPv4 networking");
        }
    }

    if (ipv6only) {
        if (have_ipv6) {
            isc_net_disableipv4();
            have_ipv4 = false;
        } else {
            fatal("can't find IPv6 networking");
        }
    }
}
lwresflags = LWRES_CONTEXT_SERVERMODE;
if (have_ipv4)
lwresflags |= LWRES_CONTEXT_USEIPV4;
if (have_ipv6)
lwresflags |= LWRES_CONTEXT_USEIPV6;

lwresult = lwres_context_create(&lwctx, mctx, mem_alloc, mem_free, lwresflags);
if (lwresult != LWRES_R_SUCCESS)
fatal("lwres_context_create failed");

lwresult = lwres_conf_parse(lwctx, RESOLV_CONF);
if (lwresult != LWRES_R_SUCCESS && lwresult != LWRES_R_NOTFOUND)
fatal("parse of %s failed", RESOLV_CONF);

lwconf = lwres_conf_get(lwctx);

/* Make the search list */
if (lwconf->searchnxt > 0)
create_search_list(lwconf);
else {/* No search list. Use the domain name if any */
if (lwconf->domainname != NULL) {
    domain = make_searchlist_entry(lwconf->domainname);
    ISC_LIST_APPEND(search_list, domain, link);
    domain = NULL;
}
}

if (lwconf->resdebug) {
    verbose = true;
    debug("verbose is on");
}
if (ndots == -1) {
    ndots = lwconf->ndots;
    debug("ndots is %d.", ndots);
}
if (lwconf->attempts) {
    tries = lwconf->attempts + 1;
    if (tries < 2)
        tries = 2;
    debug("tries is %d.", tries);
}
if (lwconf->timeout) {
    timeout = lwconf->timeout;
    debug("timeout is %d.", timeout);
}
/* If user doesn't specify server use nameservers from resolv.conf. */
if (ISC_LIST_EMPTY(server_list))
copy_server_list(lwconf, &server_list);

/* If we don't find a nameserver fall back to localhost */
if (ISC_LIST_EMPTY(server_list)) {
    if (have_ipv4) {
        lwresult = add_nameserver(lwconf, "127.0.0.1", AF_INET);
        if (lwresult != ISC_R_SUCCESS)
fatal("add_nameserver failed");
    }
    if (have_ipv6) {
        lwresult = add_nameserver(lwconf, "::1", AF_INET6);
        if (lwresult != ISC_R_SUCCESS)
fatal("add_nameserver failed");
    }
}
copy_server_list(lwconf, &server_list);

#ifdef HAVE_SETLOCALE
/* Set locale */
(void)setlocale(LC_ALL, "");
#endif

#ifdef WITH_IDN_SUPPORT
idn_initialize();
#endif

#ifdef WITH_IDN_OUT_SUPPORT
/* Set domain name -> text post-conversion filter. */
result = dns_name_settotextfilter(output_filter);
check_result(result, "dns_name_settotextfilter");
#endif

if (keyfile[0] != 0)
    setup_file_key();
else if (keysecret[0] != 0)
    setup_text_key();
#ifdef DIG_SIGCHASE
/* Setup the list of messages for +sigchase */
ISC_LIST_INIT(chase_message_list);
ISC_LIST_INIT(chase_message_list2);
dns_name_init(&chase_name, NULL);
#endif

dns_name_init(&chase_current_name, NULL);
dns_name_init(&chase_authority_name, NULL);
#endif
#if DIG_SIGCHASE_BU

dns_name_init(&chase_signame, NULL);
#endif

#endif

result = isc_entropy_getdata(entp, cookie_secret,
    sizeof(cookie_secret), NULL, 0);
if (result != ISC_R_SUCCESS)
fatal("unable to generate cookie secret");
}

/*%
 * Override the search list derived from resolv.conf by 'domain'.
 */
void
set_search_domain(char *domain) {
    dig_searchlist_t *search;

clear_searchlist();
search = make_searchlist_entry(domain);
ISC_LIST_APPEND(search_list, search, link);
}

/*%
 * Setup the ISC and DNS libraries for use by the system.
 */
void
setup_libs(void) {
    isc_result_t result;
    isc_logconfig_t *logconfig = NULL;

dbg("setup_libs()");

#ifdef PKCS11CRYPTO
pk11_result_register();
#endif
dns_result_register();

result = isc_net_probeipv4();
if (result == ISC_R_SUCCESS)
    have_ipv4 = true;

result = isc_net_probeipv6();
if (result == ISC_R_SUCCESS)
    have_ipv6 = true;
if (!have_ipv6 && !have_ipv4)
fatal("can't find either v4 or v6 networking");
result = isc_mem_create(0, 0, &mctx);
check_result(result, "isc_mem_create");
isc_mem_setname(mctx, "dig", NULL);

result = isc_log_create(mctx, &lctx, &logconfig);
check_result(result, "isc_log_create");
isc_log_setcontext(lctx);
dns_log_init(lctx);
dns_log_setcontext(lctx);

result = isc_log_usechannel(logconfig, "default_debug", NULL, NULL);
check_result(result, "isc_log_usechannel");
isc_log_setdebuglevel(lctx, 0);

result = isc_taskmgr_create(mctx, 1, 0, &taskmgr);
check_result(result, "isc_taskmgr_create");
result = isc_task_create(taskmgr, 0, &global_task);
check_result(result, "isc_task_create");
isc_task_setname(global_task, "dig", NULL);

result = isc_timermgr_create(mctx, &timermgr);
check_result(result, "isc_timermgr_create");
result = isc_socketmgr_create(mctx, &socketmgr);
check_result(result, "isc_socketmgr_create");

result = isc_entropy_create(mctx, &entp);
check_result(result, "isc_entropy_create");
result = dst_lib_init(mctx, entp, 0);
check_result(result, "dst_lib_init");
is_dst_up = true;

result = isc_mempool_create(mctx, COMMSIZE, &commctx);
check_result(result, "isc_mempool_create");
isc_mempool_setname(commctx, "COMMPOOL");
/*
 * 6 and 2 set as reasonable parameters for 3 or 4 nameserver
 * systems.
 */
isc_mempool_setfreemax(commctx, 6);
isc_mempool_setfillcount(commctx, 2);

result = isc_mutex_init(&lookup_lock);
check_result(result, "isc_mutex_init");
typedef struct dig_ednsoptname {
  uint32_t code;
  const char *name;
} dig_ednsoptname_t;

dig_ednsoptname_t optnames[] = {
  { 3, "NSID" }, /* RFC 5001 */
  { 5, "DAU" }, /* RFC 6975 */
  { 6, "DHU" }, /* RFC 6975 */
  { 7, "N3U" }, /* RFC 6975 */
  { 8, "ECS" }, /* RFC 7871 */
  { 9, "EXPIRE" }, /* RFC 7314 */
  { 10, "COOKIE" }, /* RFC 7873 */
  { 11, "KEEPALIVE" }, /* RFC 7828 */
  { 12, "PADDING" }, /* RFC 7830 */
  { 12, "PAD" }, /* shorthand */
  { 13, "CHAIN" }, /* RFC 7901 */
  { 14, "KEY-TAG" }, /* RFC 8145 */
  { 16, "CLIENT-TAG" }, /* draft-bellis-dnsop-edns-tags */
  { 17, "SERVER-TAG" }, /* draft-bellis-dnsop-edns-tags */
  { 26946, "DEVICEID" }, /* Brian Hartvigsen */
};

#define N_EDNS_OPTNAMES (sizeof(optnames) / sizeof(optnames[0]))

void
save_opt(dig_lookup_t *lookup, char *code, char *value) {
  isc_result_t result;
  uint32_t num = 0;
  isc_buffer_t b;
  bool found = false;
  unsigned int i;

  if (lookup->ednsoptscnt >= EDNSOPT_OPTIONS)
    fatal("too many ednsopts");

  for (i = 0; i < N_EDNS_OPTNAMES; i++) {
    if (strcasestr(code, optnames[i].name) == 0) {
      num = optnames[i].code;
      found = true;
      break;
    }
  }

  if (!found) {
    result = parse_uint(&num, code, 65535, "ednsopt");
  }
if (result != ISC_R_SUCCESS)
    fatal("bad edns code point: %s", code);
}

if (lookup->ednsopts == NULL) {
    cloneopts(lookup, NULL);
}

if (lookup->ednsopts[lookup->ednsoptscnt].value != NULL)
    isc_mem_free(mctx, lookup->ednsopts[lookup->ednsoptscnt].value);

lookup->ednsopts[lookup->ednsoptscnt].code = num;
lookup->ednsopts[lookup->ednsoptscnt].length = 0;
lookup->ednsopts[lookup->ednsoptscnt].value = NULL;

if (value != NULL) {
    char *buf;
    buf = isc_mem_allocate(mctx, strlen(value)/2 + 1);
    if (buf == NULL)
        fatal("out of memory");
    isc_buffer_init(&b, buf, (unsigned int) strlen(value)/2 + 1);
    result = isc_hex_decodestring(value, &b);
    check_result(result, "isc_hex_decodestring");
    lookup->ednsopts[lookup->ednsoptscnt].value =
        isc_buffer_base(&b);
    lookup->ednsopts[lookup->ednsoptscnt].length =
        isc_buffer_usedlength(&b);
}

lookup->ednsoptscnt++;
}

/*%
 * Add EDNS0 option record to a message. Currently, the only supported
 * options are UDP buffer size, the DO bit, and EDNS options
 * (e.g., NSID, COOKIE, client-subnet)
 */
static void
add_opt(dns_message_t *msg, uint16_t udpsize, uint16_t edns,
    unsigned int flags, dns_ednsopt_t *opts, size_t count)
{
    dns_rdataset_t *rdataset = NULL;
    isc_result_t result;

    debug("add_opt()");
    result = dns_message_buildopt(msg, &rdataset, edns, udpsize, flags,
        opts, count);
    check_result(result, "dns_message_buildopt");
result = dns_message_setopt(msg, rdataset);
check_result(result, "dns_message_setopt");
}

/*%
 * Add a question section to a message, asking for the specified name,
 * type, and class.
 */
static void
add_question(dns_message_t *message, dns_name_t *name,
             dns_rdataclass_t rdclass, dns_rdatatype_t rdtype)
{
    dns_rdataset_t *rdataset;
    isc_result_t result;

dns_rdataset_t *rdataset
    debug("add_question()");
    rdataset = NULL;
    result = dns_message_gettempRdataset(message, &rdataset);
    check_result(result, "dns_message_gettempRdataset()");
    dns_rdataset_makequestion(rdataset, rdclass, rdtype);
    ISC_LIST_APPEND(name->list, rdataset, link);
}

/*%
 * Check if we're done with all the queued lookups, which is true iff
 * all sockets, sends, and recvs are accounted for (counters == 0),
 * and the lookup list is empty.
 * If we are done, pass control back out to dighost_shutdown() (which is
 * part of dig.c, host.c, or nslookup.c) to either shutdown the system as
 * a whole or reseed the lookup list.
 */
static void
check_if_done(void) {
    debug("check_if_done()");
    debug("list %s", ISC_LIST_EMPTY(lookup_list) ? "empty" : "full");
    if (ISC_LIST_EMPTY(lookup_list) && current_lookup == NULL &&
        sendcount == 0) {
        INSIST(sockcount == 0);
        INSIST(revcound == 0);
        debug("shutting down");
        dighost_shutdown();
    }
}

/*%
 * Clear out a query when we're done with it.  WARNING: This routine
 * WILL invalidate the query pointer.
 */
static void
clear_query(dig_query_t *query) {
    dig_lookup_t *lookup;

    REQUIRE(query != NULL);

    debug("clear_query(%p)", query);

    if (query->timer != NULL)
        isc_timer_detach(&query->timer);
    lookup = query->lookup;

    if (lookup->current_query == query)
        lookup->current_query = NULL;

    if (ISC_LINK_LINKED(query, link))
        ISC_LIST_UNLINK(lookup->q, query, link);
    if (ISC_LINK_LINKED(query, clink))
        ISC_LIST_UNLINK(lookup->connecting, query, clink);
    if (ISC_LINK_LINKED(&query->recvbuf, link))
        ISC_LIST_DEQUEUE(query->recvlist, &query->recvbuf, link);
    if (ISC_LINK_LINKED(&query->lengthbuf, link))
        ISC_LIST_DEQUEUE(query->lengthlist, &query->lengthbuf, link);
    INSIST(query->recvspace != NULL);
    if (query->sock != NULL) {
        isc_socket_detach(&query->sock);
        sockcount--;
        debug("sockcount=%d", sockcount);
    }
    isc_mempool_put(commctx, query->recvspace);
    isc_buffer.invalidate(&query->recvbuf);
    isc_buffer.invalidate(&query->lengthbuf);
    if (query->waiting_senddone)
        query->pending_free = true;
    else
        isc_mem_free(mctx, query);
}

/*%
 * Try and clear out a lookup if we're done with it. Return true if
 * the lookup was successfully cleared. If true is returned, the
 * lookup pointer has been invalidated.
 */
static bool
try_clear_lookup(dig_lookup_t *lookup) {

dig_query_t *q;

REQUIRE(lookup != NULL);

dbg("try_clear_lookup(%p)", lookup);

if (ISC_LIST_HEAD(lookup->q) != NULL || !ISC_LIST_HEAD(lookup->connecting)) {
    if (debugging) {
        q = ISC_LIST_HEAD(lookup->q);
        while (q != NULL) {
            dbg("query to %s still pending", q->servname);
            q = ISC_LIST_NEXT(q, link);
        }
        q = ISC_LIST_HEAD(lookup->connecting);
        while (q != NULL) {
            dbg("query to %s still connecting", q->servname);
            q = ISC_LIST_NEXT(q, clink);
        }
    }
    return (false);
}

/*
 * At this point, we know there are no queries on the lookup,
 * so can make it go away also.
 */
destroy_lookup(lookup);
return (true);

void
destroy_lookup(dig_lookup_t *lookup) {
    dig_server_t *s;
    void *ptr;

dbg("destroy");
    s = ISC_LIST_HEAD(lookup->my_server_list);
    while (s != NULL) {
        dbg("freeing server %p belonging to %p", s, lookup);
        ptr = s;
        s = ISC_LIST_NEXT(s, link);
        ISC_LIST_DEQUEUE(lookup->my_server_list, (dig_server_t *)ptr, link);
        isc_mem_free(mctx, ptr);
    }
}
if (lookup->sendmsg != NULL)
    dns_message_destroy(&lookup->sendmsg);
if (lookup->querysig != NULL) {
    debug("freeing buffer %p", lookup->querysig);
    isc_buffer_free(&lookup->querysig);
}
if (lookup->sendspace != NULL)
    isc_mempool_put(commctx, lookup->sendspace);
if (lookup->tsigctx != NULL)
    dst_context_destroy(&lookup->tsigctx);
if (lookup->ecs_addr != NULL)
    isc_mem_free(mctx, lookup->ecs_addr);
if (lookup->ednsopts != NULL) {
    size_t i;
    for (i = 0; i < EDNSOPT_OPTIONS; i++) {
        if (lookup->ednsopts[i].value != NULL)
            isc_mem_free(mctx, lookup->ednsopts[i].value);
    }
    isc_mem_free(mctx, lookup->ednsopts);
}
isc_mem_free(mctx, lookup);

/*%
 * If we can, start the next lookup in the queue running.
 * This assumes that the lookup on the head of the queue hasn't been
 * started yet. It also removes the lookup from the head of the queue,
 * setting the current_lookup pointer pointing to it.
 */
void
start_lookup(void) {
    debug("start_lookup()");
    if (cancel_now)
        return;

    /*
     * If there's a current lookup running, we really shouldn't get
     * here.
     *
     */
    INSIST(current_lookup == NULL);

    current_lookup = ISC_LIST_HEAD(lookup_list);
    /*
* Put the current lookup somewhere so cancel_all can find it */
if (current_lookup != NULL) {
    ISC_LIST_DEQUEUE(lookup_list, current_lookup, link);
#if DIG_SIGCHASE_TD
    if (current_lookup->do_topdown &&
        !current_lookup->rdtype_sigchaseset) {
        dst_key_t *dstkey = NULL;
        isc_buffer_t *b = NULL;
        isc_region_t r;
        isc_result_t result;
        dns_name_t query_name;
        dns_name_t *key_name;
        int i;

        result = get_trusted_key();
        if (result != ISC_R_SUCCESS) {
            printf(";
                \n            +sigchase option is disabled\n"");
            current_lookup->sigchase = false;
            goto novalidation;
        }
        dns_name_init(&query_name, NULL);
        nameFromString(current_lookup->textname, &query_name);
        for (i = 0; i < tk_list.nb_tk; i++) {
            key_name = dst_key_name(tk_list.key[i]);
            if (dns_name_issubdomain(&query_name,
                key_name) == true)
                dstkey = tk_list.key[i];
            /*
             * Verify temp is really the lowest
             * WARNING
             */
            }
            if (dstkey == NULL) {
                printf(";
                    \n                The queried zone: ");
                dns_name_print(&query_name, stdout);
                printf(" isn't a subdomain of any Trusted Keys";
                    +sigchase option is disabled\n"");
                current_lookup->sigchase = false;
                free_name(&query_name);
                goto novalidation;
            }
            free_name(&query_name);

            current_lookup->rdtype_sigchase
= current_lookup->rdtype;
current_lookup->rdtype_sigchaseset
= current_lookup->rdtypeset;
current_lookup->rdtype = dns_rdatatype_ns;

current_lookup->qrdtype_sigchase
= current_lookup->qrdtype;
current_lookup->qrdtype = dns_rdatatype_ns;

current_lookup->rdclass_sigchase
= current_lookup->rdclass;
current_lookup->rdclass_sigchaseset
= current_lookup->rdclassset;
current_lookup->rdclass = dns_rdataclass_in;

strlcpy(current_lookup->textnamesigchase,
current_lookup->textname, MXNAME);

current_lookup->trace_root_sigchase = true;

result = isc_buffer_allocate(mctx, &b, BUFSIZE);
check_result(result, "isc_buffer_allocate");
result = dns_name_totext(dst_key_name(dstkey),
false, b);
check_result(result, "dns_name_totext");
isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';
strlcpy(current_lookup->textname, (char*)r.base,
MXNAME);
isc_buffer_free(&b);

nameFromString(current_lookup->textnamesigchase,
 &chase_name);

dns_name_init(&chase_authority_name, NULL);
}
novalidation:
#endif
if (setup_lookup(current_lookup))
do_lookup(current_lookup);
else if (next_origin(current_lookup))
check_next_lookup(current_lookup);
} else {
check_if_done();
}

/ *%
* If we can, clear the current lookup and start the next one running.
* This calls try_clear_lookup, so may invalidate the lookup pointer.
*/
static void
check_next_lookup(dig_lookup_t *lookup) {

INSIST(!free_now);

dbg("check_next_lookup(%p)", lookup);

if (ISC_LIST_HEAD(lookup->q) != NULL) {
    dbg("still have a worker");
    return;
}
if (try_clear_lookup(lookup)) {
    current_lookup = NULL;
    start_lookup();
}
}

/*%
* Create and queue a new lookup as a followup to the current lookup,
* based on the supplied message and section. This is used in trace and
* name server search modes to start a new lookup using servers from
* NS records in a reply. Returns the number of followup lookups made.
*/
static int
followup_lookup(dns_message_t *msg, dig_query_t *query, dns_section_t section) {
    dig_lookup_t *lookup = NULL;
    dig_server_t *srv = NULL;
    dns_rdataset_t *rdataset = NULL;
    dns_rdata_t rdata = DNS_RDATA_INIT;
    dns_name_t *name = NULL;
    isc_result_t result;
    bool success = false;
    int numLookups = 0;
    int num;
    isc_result_t lresult, addresses_result;
    char bad_namestr[DNS_NAME_FORMATSIZE];
    dns_name_t *domain;
    bool horizontal = false, bad = false;

    INSIST(!free_now);

    dbg("following up %s", query->lookup->textname);

    addresses_result = ISC_R_SUCCESS;
bad_namestr[0] = '\0';
for (result = dns_message_fieldname(msg, section);
    result == ISC_R_SUCCESS;
    result = dns_message_fieldname(msg, section)) {
    name = NULL;
    dns_message_currentname(msg, section, &name);

    if (section == DNS_SECTION_AUTHORITY) {
        rdataset = NULL;
        result = dns_message_findtype(name, dns_rdatatype_soa,
            0, &rdataset);
        if (result == ISC_R_SUCCESS)
            return (0);
    }
    rdataset = NULL;
    result = dns_message_findtype(name, dns_rdatatype_ns, 0,
        &rdataset);
    if (result != ISC_R_SUCCESS)
        continue;

dbg("found NS set");

    if (query->lookup->trace && !query->lookup->trace_root) {
        dns_namereln_t namereln;
        unsigned int nlabels;
        int order;

        domain = dns_fixedname_name(&query->lookup->fdomain);
        namereln = dns_name_fullcompare(name, domain,
            &order, &nlabels);
        if (namereln == dns_namereln_equal) {
            if (!horizontal)
                printf(";; BAD (HORIZONTAL) REFERRAL\n");
            horizontal = true;
        } else if (namereln != dns_namereln_subdomain) {
            if (!bad)
                printf(";; BAD REFERRAL\n");
            bad = true;
            continue;
        }
    }

    for (result = dns_rdataset_first(rdataset);
        result == ISC_R_SUCCESS;
        result = dns_rdataset_next(rdataset)) {
        char namestr[DNS_NAME_FORMATSIZE];
        dns_rdata_ns_t ns;
if (query->lookup->trace_root &&
    query->lookup->nsfound >= MXSERV)
break;

dns_rdataset_current(rdataset, &rdata);

query->lookup->nsfound++;
result = dns_rdata_tostruct(&rdata, &ns, NULL);
check_result(result, "dns_rdata_tostruct");
dns_name_format(&ns.name, namestr, sizeof(namestr));
dns_rdata_freestruct(&ns);

/* Initialize lookup if we've not yet */
debug("found NS %s", namestr);
if (!success) {
    success = true;
    lookup_counter++;
    lookup = requeue_lookup(query->lookup, false);
    cancel_lookup(query->lookup);
    lookup->doing_xfr = false;
    if (!lookup->trace_root &&
        section == DNS_SECTION_ANSWER)
        lookup->trace = false;
    else
        lookup->trace = query->lookup->trace;
    lookup->ns_search_only =
        query->lookup->ns_search_only;
    lookup->trace_root = false;
    if (lookup->ns_search_only)
        lookup->recurse = false;
    domain = dns_fixedname_name(&lookup->fdomain);
    dns_name_copy(name, domain, NULL);
}
debug("adding server %s", namestr);
num = getaddresses(lookup, namestr, &lresult);
if (lresult != ISC_R_SUCCESS) {
    printf("couldn't get address for '%s': %s\n",
        namestr, isc_result_totext(lresult));
    if (addresses_result == ISC_R_SUCCESS) {
        addresses_result = lresult;
        strlcpy(bad_namestr, namestr,
            sizeof(bad_namestr));
    }
}
}
numLookups += num;
dns_rdata_reset(&rdata);
if (numLookups == 0 && addresses_result != ISC_R_SUCCESS) {
  fatal("couldn't get address for '%s': %s",
       bad_namestr, isc_result_totext(result));
}

if (lookup == NULL &&
    section == DNS_SECTION-answer &&
    (query->lookup->trace || query->lookup->ns_search_only))
  return (followup_lookup(msg, query, DNS_SECTION-authority));

/*
 * Randomize the order the nameserver will be tried.
 */
if (numLookups > 1) {
  uint32_t i, j;
  dig_serverlist_t my_server_list;
  dig_server_t *next;

  ISC_LIST_INIT(my_server_list);

  i = numLookups;
  for (srv = ISC_LIST_HEAD(lookup->my_server_list);
       srv != NULL;
       srv = ISC_LIST_HEAD(lookup->my_server_list)) {
    INSIST(i > 0);
    isc_random_get(&j);
    j %= i;
    next = ISC_LIST_NEXT(srv, link);
    while (j-- > 0 && next != NULL) {
      srv = next;
      next = ISC_LIST_NEXT(srv, link);
    }
    ISC_LIST-DEQUEUE(lookup->my_server_list, srv, link);
    ISC_LIST_APPEND(my_server_list, srv, link);
  }

  ISC_LIST_APPENDLIST(lookup->my_server_list,
      my_server_list, link);

  return (numLookups);
}

/*%
 * Create and queue a new lookup using the next origin from the search
 * list, read in setup_system().
 *%*/
static bool
next_origin(dig_lookup_t *oldlookup) {
  dig_lookup_t *newlookup;
  dig_searchlist_t *search;
  dns_fixedname_t fixed;
  dns_name_t *name;
  isc_result_t result;

  INSIST(!free_now);

  debug("next_origin()");
  debug("following up %s", oldlookup->textname);

  if (!usesearch)
    /*
    * We're not using a search list, so don't even think
    * about finding the next entry.
    */
    return (false);

  /*
  * Check for a absolute name or ndots being met.
  */
  name = dns_fixedname_initname(&fixed);
  result = dns_name_fromstring2(name, oldlookup->textname, NULL,
                                0, NULL);
  if (result == ISC_R_SUCCESS &&
      (dns_name_isabsolute(name) ||
       (int)dns_name_countlabels(name) > ndots))
    return (false);

  if (oldlookup->origin == NULL && !oldlookup->need_search)
    /*
    * Then we just did rootorg; there's nothing left.
    */
    return (false);

  if (oldlookup->origin == NULL && oldlookup->need_search) {
    newlookup = requeue_lookup(oldlookup, true);
    newlookup->origin = ISC_LIST_HEAD(search_list);
    newlookup->need_search = false;
  } else {
    search = ISC_LIST_NEXT(oldlookup->origin, link);
    if (search == NULL && oldlookup->done_as_is)
      return (false);
    newlookup = requeue_lookup(oldlookup, true);
    newlookup->origin = search;
open_source_used_in_Msx_sd-wan_service_pack_3.9.0
result = dns_message_gettemprdataset(lookup->sendmsg, &rdataset);
check_result(result, "dns_message_gettemprdataset");

dns_rdatalist_init(rdatalist);
rdatalist->type = dns_rdatatype_soa;
rdatalist->rdclass = lookup->rdclass;
ISC_LIST_APPEND(rdatalist->rdata, rdata, link);

dns_rdatalist_tordataset(rdatalist, rdataset);

result = dns_message_gettempname(lookup->sendmsg, &soaname);
check_result(result, "dns_message_gettempname");
dns_name_init(soaname, NULL);
dns_name_clone(lookup->name, soaname);
ISC_LIST_INIT(soaname->list);
ISC_LIST_APPEND(soaname->list, rdataset, link);
dns_message_addname(lookup->sendmsg, soaname, DNS_SECTION_AUTHORITY);
}

static void compute_cookie(unsigned char *clientcookie, size_t len) {
/* XXXMPA need to fix, should be per server. */
INSIST(len >= 8U);
memmove(clientcookie, cookie_secret, 8);
}

/*
 * Setup the supplied lookup structure, making it ready to start sending
 * queries to servers. Create and initialize the message to be sent as
 * well as the query structures and buffer space for the replies. If the
 * server list is empty, clone it from the system default list.
 */

bool setup_lookup(dig_lookup_t *lookup) {
isc_result_t result;
uint32_t id;
unsigned int len;
dig_server_t *serv;
dig_query_t *query;
isc_buffer_t b;
dns_compress_t cctx;
char store[MXNAME];
char ecsbuf[20];
char cookiebuf[256];
char *origin = NULL;
char *textname = NULL;
#ifdef WITH_IDN_SUPPORT
char idn_origin[MXNAME], idn_textname[MXNAME];
#endif

#ifdef WITH_IDN_OUT_SUPPORT
result = dns_name_settotextfilter(lookup->idnout ?
    output_filter : NULL);
check_result(result, "dns_name_settotextfilter");
#endif

REQUIRE(lookup != NULL);
INSIST(!free_now);

dbg("setup_lookup%p", lookup);

result = dns_message_create(mctx, DNS_MESSAGE_INTENTRENDER,
    &lookup->sendmsg);
check_result(result, "dns_message_create");

if (lookup->new_search) {
    dbg("resetting lookup counter.");
    lookup_counter = 0;
}

if (ISC_LIST_EMPTY(lookup->my_server_list)) {
    dbg("cloning server list");
    clone_server_list(server_list, &lookup->my_server_list);
}
result = dns_message_gettempname(lookup->sendmsg, &lookup->name);
check_result(result, "dns_message_gettempname");
dns_name_init(lookup->name, NULL);

isc_buffer_init(&lookup->namebuf, lookup->name_space,
    sizeof(lookup->name_space));
isc_buffer_init(&lookup->onamebuf, lookup->oname_space,
    sizeof(lookup->oname_space));

/*
 * We cannot convert 'textname' and 'origin' separately.
 * 'textname' doesn't contain TLD, but local mapping needs
 * TLD.
 */
textname = lookup->textname;
#ifdef WITH_IDN_SUPPORT
if (lookup->idnin) {
    result = idn_locale_to_ace(textname, idn_textname, sizeof(idn_textname));
    check_result(result, "convert textname to IDN encoding");
    dbg("idn_textname: %s", idn_textname);
    textname = idn_textname;
}
/*
 * If the name has too many dots, force the origin to be NULL
 * (which produces an absolute lookup). Otherwise, take the origin
 * we have if there's one in the struct already. If it's NULL,
 * take the first entry in the searchlist iff either usesearch
 * is TRUE or we got a domain line in the resolv.conf file.
 */

if (lookup->new_search) {
    if ((count_dots(textname) >= ndots) || !usesearch)
       _lookup->origin = NULL; /* Force abs lookup */
    lookup->done_as_is = true;
    lookup->need_search = usesearch;
} else if (lookup->origin == NULL && usesearch) {
    lookup->origin = ISC_LIST_HEAD(search_list);
    lookup->need_search = false;
}

if (lookup->origin != NULL) {
    debug("trying origin %s", lookup->origin->origin);
    result = dns_message_gettempname(lookup->sendmsg, 
        &lookup->oname);
    check_result(result, "dns_message_gettempname");
    dns_name_init(lookup->oname, NULL);
    /* XXX Helper funct to conv char* to name? */
    origin = lookup->origin->origin;
    #ifdef WITH_IDN_SUPPORT
    if (lookup->idnin) {
        result = idn_locale_to_ace(origin, idn_origin, sizeof(idn_origin));
        check_result(result, "convert origin to IDN encoding");
        debug("trying idn origin %s", idn_origin);
        origin = idn_origin;
    }
    #endif
    len = (unsigned int) strlen(origin);
    isc_buffer_init(&b, origin, len);
    isc_buffer_add(&b, len);
    result = dns_name_fromtext(lookup->oname, &b, dns_rootname, 
        0, &lookup->onamebuf);
    if (result != ISC_R_SUCCESS) {
        dns_message_puttempname(lookup->sendmsg, 
            &lookup->name);
        dns_message_puttempname(lookup->sendmsg, 
            &lookup->oname);
        fatal("'%s' is not in legal name syntax (%s)",}
origin,
    isc_result_totext(result));
}
if (lookup->trace && lookup->trace_root) {
    dns_name_clone(dns_rootname, lookup->name);
} else {
    dns_fixedname_t fixed;
    dns_name_t *name;

    name = dns_fixedname_initname(&fixed);
    len = (unsigned int) strlen(textname);
    isc_buffer_init(&b, textname, len);
    isc_buffer_add(&b, len);
    result = dns_name_fromtext(name, &b, NULL, 0, NULL);
    if (result == ISC_R_SUCCESS &&
        !dns_name_isabsolute(name))
        result = dns_name_concatenate(name,
            lookup->oname,
            lookup->name,
            &lookup->namebuf);
    else if (result == ISC_R_SUCCESS)
        result = dns_name_copy(name, lookup->name,
            &lookup->namebuf);
    if (result != ISC_R_SUCCESS) {
        dns_message_puttempname(lookup->sendmsg,
            &lookup->name);
        dns_message_puttempname(lookup->sendmsg,
            &lookup->oname);
        if (result == DNS_R_NAMETOOLONG)
            return (false);
        fatal("'%s' is not in legal name syntax (%s)",
            lookup->textname,
            isc_result_totext(result));
    }
}
}

dns_message_puttempname(lookup->sendmsg, &lookup->oname);
} else {
    debug("using root origin");
    if (lookup->trace && lookup->trace_root)
        dns_name_clone(dns_rootname, lookup->name);
    else {
        len = (unsigned int) strlen(textname);
        isc_buffer_init(&b, textname, len);
        isc_buffer_add(&b, len);
        result = dns_name_fromtext(lookup->name, &b,
            dns_rootname, 0,
            &lookup->namebuf);
    }
if (result != ISC_R_SUCCESS) {
    dns_message_puttempname(lookup->sendmsg, &lookup->name);
    fatal("'%s' is not a legal name ", "(\%s)", lookup->textname,
        isc_result_totext(result));
}

dns_name_format(lookup->name, store, sizeof(store));
dighost_trying(store, lookup);
INSIST(dns_name_isabsolute(lookup->name));

isc_random_get(&id);
lookup->sendmsg->id = (unsigned short)id & 0xFFFF;
lookup->sendmsg->opcode = lookup->opcode;
lookup->msgcounter = 0;

/*
 * If this is a trace request, completely disallow recursion after
 * looking up the root name servers, since it's meaningless for traces.
 */
if ((lookup->trace || lookup->ns_search_only) && !lookup->trace_root) {
    lookup->recurse = false;
}

if (lookup->recurse &&
    lookup->rdtype != dns_rdatatype_axfr &&
    lookup->rdtype != dns_rdatatype_ixfr) {
    debug("recursive query");
    lookup->sendmsg->flags |= DNS_MESSAGEFLAG_RD;
}

/* XXX aaflag */
if (lookup->aaonly) {
    debug("AA query");
    lookup->sendmsg->flags |= DNS_MESSAGEFLAG_AA;
}

if (lookup->adflag) {
    debug("AD query");
    lookup->sendmsg->flags |= DNS_MESSAGEFLAG_AD;
}

if (lookup->cdflag) {
    debug("CD query");
    lookup->sendmsg->flags |= DNS_MESSAGEFLAG_CD;
}
if (lookup->zflag) {
    debug("Z query");
    lookup->sendmsg->flags |= 0x0040U;
}

dns_message_addname(lookup->sendmsg, lookup->name,
        DNS_SECTION_QUESTION);

if (lookup->trace && lookup->trace_root) {
    lookup->qrdtype = lookup->rdtype;
    lookup->rdtype = dns_rdatatype_ns;
}

if ((lookup->rdtype == dns_rdatatype_axfr) ||
    (lookup->rdtype == dns_rdatatype_ixfr)) {
    /*
     * Force TCP mode if we're doing an axfr.
     */
    if (lookup->rdtype == dns_rdatatype_axfr) {
        lookup->doing_xfr = true;
        lookup->tcp_mode = true;
    } else if (lookup->tcp_mode) {
        lookup->doing_xfr = true;
    }
}

if (!lookup->header_only)
    add_question(lookup->sendmsg, lookup->name, lookup->rdclass,
            lookup->rdtype);

/* add_soa */
if (lookup->rdtype == dns_rdatatype_ixfr)
    insert_soa(lookup);

/* XXX Insist this? */
lookup->tsigctx = NULL;
lookup->querysig = NULL;
if (tsigkey != NULL) {
    debug("initializing keys");
    result = dns_message_settsigkey(lookup->sendmsg, tsigkey);
    check_result(result, "dns_message_settsigkey");
}

lookup->sendspace = isc_mempool_get(commctx);
if (lookup->sendspace == NULL)
    fatal("memory allocation failure");

result = dns_compress_init(&cctx, -1, mctx);
check_result(result, "dns_compress_init");

dbg("starting to render the message");
isc_buffer_init(&lookup->renderbuf, lookup->sendspace, COMMSIZE);
result = dns_message_renderbegin(lookup->sendmsg, &ctx,
&lookup->renderbuf);
check_result(result, "dns_message_renderbegin");
if (lookup->udpsize > 0 || lookup->dnssec ||
lookup->edns > -1 || lookup->ecs_addr != NULL)
{
#define MAXOPTS (EDNSOPT_OPTIONS + DNS_EDNSOPTIONS)
dns_ednsopt_t opts[MAXOPTS];
unsigned int flags;
unsigned int i = 0;

if (lookup->udpsize == 0)
lookup->udpsize = 4096;
if (lookup->edns < 0)
lookup->edns = 0;

if (lookup->nsid) {
INSIST(i < MAXOPTS);
opts[i].code = DNS_OPT_NSID;
opts[i].length = 0;
opts[i].value = NULL;
i++;
}

if (lookup->ecs_addr != NULL) {
uint8_t addr[16];
uint16_t family = 0;
uint32_t plen;
struct sockaddr *sa;
struct sockaddr_in *sin;
struct sockaddr_in6 *sin6;
size_t addrl;

sa = &lookup->ecs_addr->type.sa;
plen = lookup->ecs_addr->length;

/* Round up prefix len to a multiple of 8 */
addrl = (plen + 7) / 8;

INSIST(i < MAXOPTS);
opts[i].code = DNS_OPT_CLIENT_SUBNET;
opts[i].length = (uint16_t) addrl + 4;
check_result(result, "isc_bufferAllocate");
/*
 * XXXMUKS: According to RFC7871, "If there is no ADDRESS set, i.e., SOURCE PREFIX-LENGTH is set to 0, then FAMILY SHOULD be set to the transport over which the query is sent."
 *
 * However, at this point we don't know what transport(s) we'll be using, so we can't set the value now. For now, we're using IPv4 as the default the +subnet option used an IPv4 prefix, or for +subnet=0, and IPv6 if the +subnet option used an IPv6 prefix.
 *
 * (For future work: preserve the offset into the buffer where the family field is; that way we can update it in send_udp() or send_tcp_connect() once we know what it ought to be.)
 */
switch (sa->sa_family) {
    case AF_UNSPEC:
        INSIST(plen == 0);
        family = 1;
        break;
    case AF_INET:
        INSIST(plen <= 32);
        family = 1;
        sin = (struct sockaddr_in *) sa;
        memmove(addr, &sin->sin_addr, addrl);
        break;
    case AF_INET6:
        INSIST(plen <= 128);
        family = 2;
        sin6 = (struct sockaddr_in6 *) sa;
        memmove(addr, &sin6->sin6_addr, addrl);
        break;
    default:
        INSIST(0);
        ISC_UNREACHABLE();
    }

    isc_buffer_init(&b, ecsbuf, sizeof(ecsbuf));
    /* family */
    isc_buffer_putuint16(&b, family);
    /* source prefix-length */
    isc_buffer_putuint8(&b, plen);
    /* scope prefix-length */
isc_buffer_putuint8(&b, 0);

/* address */
if (addrl > 0) {
/* Mask off last address byte */
if ((plen % 8) != 0)
    addr[addrl - 1] &= ~0U << (8 - (plen % 8));
isc_buffer_putmem(&b, addr,
    (unsigned)addrl);
}

opts[i].value = (uint8_t *) ecsbuf;
++i;
}

if (lookup->sendcookie) {
    INSIST(i < MAXOPTS);
    opts[i].code = DNS_OPT_COOKIE;
    if (lookup->cookie != NULL) {
        isc_buffer_init(&b, cookiebuf,
            sizeof(cookiebuf));
        result = isc_hex_decodestring(lookup->cookie,
            &b);
        check_result(result, "isc_hex_decodestring");
        opts[i].value = isc_buffer_base(&b);
        opts[i].length = isc_buffer_usedlength(&b);
    } else {
        compute_cookie(cookie, sizeof(cookie));
        opts[i].length = 8;
        opts[i].value = cookie;
    }
    ++i;
}

if (lookup->expire) {
    INSIST(i < MAXOPTS);
    opts[i].code = DNS_OPT_EXPIRE;
    opts[i].length = 0;
    opts[i].value = NULL;
    ++i;
}

if (lookup->ednsopts != NULL) {
    INSIST(i + lookup->ednsopts <= MAXOPTS);
    memmove(&opts[i], lookup->ednsopts,
        sizeof(dns_ednsopt_t) * lookup->ednsopts);
    i += lookup->ednsopts;
flags = lookup->ednsflags;
flags &= ~DNS_MESSAGEEXTFLAG_DO;
if (lookup->dnssec)
flags |= DNS_MESSAGEEXTFLAG_DO;
add_opt(lookup->sendmsg, lookup->udpsize, lookup->edns, flags, opts, i);
}

result = dns_message_rendersection(lookup->sendmsg,
    DNS_SECTION_QUESTION, 0);
check_result(result, "dns_message_rendersection");
result = dns_message_rendersection(lookup->sendmsg,
    DNS_SECTION_AUTHORITY, 0);
check_result(result, "dns_message_rendersection");
result = dns_message_renderend(lookup->sendmsg);
check_result(result, "dns_message_renderend");
dbg("done rendering");

dns_compress_invalidate(&cctx);

/*
 * Force TCP mode if the request is larger than 512 bytes.
 */
if (isc_buffer_usedlength(&lookup->renderbuf) > 512)
lookup->tcp_mode = true;

lookup->pending = false;

for (serv = ISC_LIST_HEAD(lookup->my_server_list);
    serv != NULL;
    serv = ISC_LIST_NEXT(serv, link)) {
query = isc_mem_allocate(mctx, sizeof(dig_query_t));
if (query == NULL)
fatal("memory allocation failure in %s:%d",
    __FILE__, __LINE__);
dbg("create query %p linked to lookup %p",
    query, lookup);
query->lookup = lookup;
query->timer = NULL;
query->waiting_connect = false;
query->waiting_senddone = false;
query->pending_free = false;
query->recv_made = false;
query->first_pass = true;
query->first_soa_rcvd = false;
query->second_rr_rcvd = false;
query->first_repeat_rcvd = false;
query->warn_id = true;
query->timedout = false;
query->first_rr_serial = 0;
query->second_rr_serial = 0;
query->servname = serv->servername;
query->userarg = serv->userarg;
query->rr_count = 0;
query->msg_count = 0;
query->byte_count = 0;
query->ixfr_axfr = false;
ISC_LIST_INIT(query->recvlist);
ISC_LIST_INIT(query->lengthlist);
query->sock = NULL;
query->recvspace = isc_mempool_get(commctx);
if (query->recvspace == NULL)
fatal("memory allocation failure");
isc_buffer_init(&query->recvbuf, query->recvspace, COMMSIZE);
isc_buffer_init(&query->lengthbuf, query->lengthspace, 2);
isc_buffer_init(&query->slbuf, query->slspace, 2);
query->sendbuf = lookup->renderbuf;
ISC_LINK_INIT(query, clink);
ISC_LINK_INIT(query, link);
ISC_LIST_ENQUEUE(lookup->q, query, link);
}
/* XXX qrflag, print_query, etc... */
if (!ISC_LIST_EMPTY(lookup->q) && qr) {
extrabytes = 0;
dighost_printmessage(ISC_LIST_HEAD(lookup->q), lookup->sendmsg,
true);
if (lookup->stats)
printf(";; QUERY SIZE: %u\n\n",
isc_buffer_usedlength(&lookup->renderbuf));
return (true);
}
/*%*/
* Event handler for send completion. Track send counter, and clear out
* the query if the send was canceled.
*/
static void
send_done(isc_task_t *task, isc_event_t *event) {
isc_socketevent_t *event = (isc_socketevent_t *)event;
isc_buffer_t *b = NULL;

dig_query_t *query, *next;
dig_lookup_t *l;

REQUIRE(event->ev_type == ISC_SOCKEVENT_SENDDONE);

UNUSED(_task);

LOCK_LOOKUP;

ddebug("send_done()");
sendcount--;
ddebug("sendcount=%d", sendcount);
INSIST(sendcount >= 0);

for (b = ISC_LIST_HEAD(sevent->bufferlist);
b != NULL;
b = ISC_LIST_HEAD(sevent->bufferlist)) {
ISC_LIST_DEQUEUE(sevent->bufferlist, b, link);
isc_mem_free(mctx, b);
}

query = event->ev_arg;
query->waiting_senddone = false;
l = query->lookup;

if (l->ns_search_only && !l->trace_root && !l->tcp_mode) {
ddebug("sending next, since searching");
next = ISC_LIST_NEXT(query, link);
if (next != NULL)
send_udp(next);
}

isc_event_free(&event);

if (query->pending_free)
isc_mem_free(mctx, query);

check_if_done();
UNLOCK_LOOKUP;
}

/*%
 * Cancel a lookup, sending isc_socket_cancel() requests to all outstanding
 * IO sockets. The cancel handlers should take care of cleaning up the
 * query and lookup structures
 */
static void
cancel_lookup(dig_lookup_t *lookup) {
dig_query_t *query, *next;

dbg("cancel_lookup()");
query = ISC_LIST_HEAD(lookup->q);
while (query != NULL) {
next = ISC_LIST_NEXT(query, link);
if (query->sock != NULL) {
isc_socket_cancel(query->sock, global_task,
    ISC_SOCKCANCEL_ALL);
check_if_done();
} else {
    clear_query(query);
}
query = next;
}
lookup->pending = false;
lookup->retries = 0;

static void
bringup_timer(dig_query_t *query, unsigned int default_timeout) {
    dig_lookup_t *l;
    unsigned int local_timeout;
    isc_result_t result;

dbg("bringup_timer()");
/*
 * If the timer already exists, that means we're calling this
 * a second time (for a retry). Don't need to recreate it,
 * just reset it.
 * /
l = query->lookup;
if (ISC_LINK_LINKED(query, link) && ISC_LIST_NEXT(query, link) != NULL)
    local_timeout = SERVER_TIMEOUT;
else {
    if (timeout == 0)
        local_timeout = default_timeout;
    else
        local_timeout = timeout;
}
dbg("have local timeout of %d", local_timeout);
isc_interval_set(&l->interval, local_timeout, 0);
if (query->timer != NULL)
    isc_timer_detach(&query->timer);
result = isc_timer_create(timermgr, isc_timertype_once, NULL,
    &l->interval, global_task, connect_timeout,
    query, &query->timer);
check_result(result, "isc_timer_create");
static void
force_timeout(dig_query_t *query) {
    isc_event_t *event;

debuge("force_timeout ()");
event = isc_event_allocate(mctx, query, ISC_TIMEREVENT_IDLE,
    connect_timeout, query,
    sizeof(isc_event_t));
    if (event == NULL) {
        fatal("isc_event_allocate: %s",
            isc_result_totext(ISC_R_NOMEMORY));
    }
isc_task_send(global_task, &event);

    /*
    * The timer may have expired if, for example, get_address() takes
    * long time and the timer was running on a different thread.
    * We need to cancel the possible timeout event not to confuse
    * ourselves due to the duplicate events.
    */
    if (query->timer != NULL)
        isc_timer_detach(&query->timer);
}

static void
connect_done(isc_task_t *task, isc_event_t *event);

/*%
* Unlike send_udp, this can't be called multiple times with the same
* query.  When we retry TCP, we requeue the whole lookup, which should
* start anew.
*/
static void
send_tcp_connect(dig_query_t *query) {
    isc_result_t result;
    dig_query_t *next;
    dig_lookup_t *l;

debug("send_tcp_connect(%p)", query);

    l = query->lookup;
    query->waiting_connect = true;
    query->lookup->current_query = query;
    result = get_address(query->servname, port, &query->sockaddr);
    if (result != ISC_R_SUCCESS) {

/*
 * This servname doesn't have an address. Try the next server
 * by triggering an immediate 'timeout' (we lie, but the effect
 * is the same).
 */
force_timeout(query);
return;

if (!l->mapped && isc_sockaddr_pf(&query->sockaddr) == AF_INET6 &&
    IN6_IS_ADDR_V4MAPPED(&query->sockaddr.type.sin6.sin6_addr)) {
    isc_netaddr_t netaddr;
    char buf[ISC_NETADDR_FORMATSIZE];

    isc_netaddr_fromsockaddr(&netaddr, &query->sockaddr);
    isc_netaddr_format(&netaddr, buf, sizeof(buf));
    printf(";; Skipping mapped address '%s'
", buf);

    query->waiting_connect = false;
    if (ISC_LINK_LINKED(query, link))
        next = ISC_LIST_NEXT(query, link);
    else
        next = NULL;
l = query->lookup;
clear_query(query);
if (next == NULL) {
    printf(";; No acceptable nameservers\n");
    check_next_lookup(l);
    return;
}
    send_tcp_connect(next);
    return;
}

INSIST(query->sock == NULL);

if (keep != NULL && isc_sockaddr_equal(&keepaddr, &query->sockaddr)) {
    sockcount++;
    isc_socket_attach(keep, &query->sock);
    query->waiting_connect = false;
    launch_next_query(query, true);
    goto search;
}

result = isc_socket_create(socketmgr,
    isc_sockaddr_pf(&query->sockaddr),
    isc_sockettype_tcp, &query->sock);
    check_result(result, "isc_socket_create");
sockcount++;
debg("sockcount=%d", sockcount);
if (query->lookup->dscp != -1)
  isc_socket_dscp(query->sock, query->lookup->dscp);
isc_socket_ipv6only(query->sock, !query->lookup->mapped);
if (specified_source)
  result = isc_socket_bind(query->sock, &bind_address,
    ISC_SOCKET_REUSEADDRESS);
else {
  if ((isc_sockaddr_pf(&query->sockaddr) == AF_INET) &&
    have_ipv4)
    isc_sockaddr_any(&bind_any);
  else
    isc_sockaddr_any6(&bind_any);
  result = isc_socket_bind(query->sock, &bind_any, 0);
}
check_result(result, "isc_socket_bind");
bringup_timer(query, TCP_TIMEOUT);
result = isc_socket_connect(query->sock, &query->sockaddr,
    global_task, connect_done, query);
check_result(result, "isc_socket_connect");

search:
/*
 * If we're at the endgame of a nameserver search, we need to
 * immediately bring up all the queries. Do it here.
 */
if (l->ns_search_only && !l->trace_root) {
  debug("sending next, since searching");
  if (ISC_LINK_LINKED(query, link)) {
    next = ISC_LIST_NEXT(query, link);
    ISC_LIST_DEQUEUE(l->q, query, link);
  } else
    next = NULL;
  ISC_LIST_ENQUEUE(l->connecting, query, clink);
  if (next != NULL)
    send_tcp_connect(next);
}

static isc_buffer_t *
clone_buffer(isc_buffer_t *source) {
  isc_buffer_t *buffer;
  buffer = isc_mem_allocate(mctx, sizeof(*buffer));
  if (buffer == NULL)
    fatal("memory allocation failure in %s:%d",
        __FILE__, __LINE__);
  *buffer = *source;
  return (buffer);
static void
send_udp(dig_query_t *query) {
  dig_lookup_t *l = NULL;
  isc_result_t result;
  isc_buffer_t *sendbuf;
  dig_query_t *next;

dbug("send_udp(%p)", query);

  l = query->lookup;
  bringup_timer(query, UDP_TIMEOUT);
  l->current_query = query;
  dbug("working on lookup %p, query %p", query->lookup, query);
  if (!query->recv_made) {
    /* XXX Check the sense of this, need assertion? */
    query->waiting_connect = false;
    result = get_address(query->servname, port, &query->sockaddr);
    if (result != ISC_R_SUCCESS) {
      /* This servname doesn't have an address. */
      force_timeout(query);
      return;
    }
    if (!l->mapped &&
        isc_sockaddr_pf(&query->sockaddr) == AF_INET6 &&
        IN6_IS_ADDR_V4MAPPED(&query->sockaddr.type.sin6.sin6_addr)) {
      isc_netaddr_t netaddr;
      char buf[ISC_NETADDR_FORMATSIZE];

      isc_netaddr_fromsockaddr(&netaddr, &query->sockaddr);
      isc_netaddr_format(&netaddr, buf, sizeof(buf));
      printf(";; Skipping mapped address '%s\n", buf);

      next = ISC_LIST_NEXT(query, link);
      l = query->lookup;
      clear_query(query);
      if (next == NULL) {
        printf(";; No acceptable nameservers\n");
        check_next_lookup(l);
      } else {
        send_udp(next);
      }
    }
  }
result = isc_socket_create(socketmgr,
    isc_sockaddr_pf(&query->sockaddr),
    isc_sockettype_udp, &query->sock);
check_result(result, "isc_socket_create");
sockcount++;
depbug("sockcount=%d", sockcount);
if (query->lookup->dscp != -1)
    isc_socket_dscp(query->sock, query->lookup->dscp);
    isc_socket_ipv6only(query->sock,
        !query->lookup->mapped);
if (specified_source) {
    result = isc_socket_bind(query->sock, &bind_address,
        ISC_SOCKET_REUSEADDRESS);
} else {
    isc_sockaddr_anyofpf(&bind_any,
        isc_sockaddr_pf(&query->sockaddr));
    result = isc_socket_bind(query->sock, &bind_any, 0);
}
check_result(result, "isc_socket_bind");

query->recv_made = true;
ISC_LINK_INIT(&query->recvbuf, link);
ISC_LIST_ENQUEUE(query->recvlist, &query->recvbuf, link);
depbug("recving with lookup=%p, query=%p, sock=%p",
    query->lookup, query, query->sock);
result = isc_socket_recvv(query->sock, &query->recvlist, 1,
    global_task, recv_done, query);
check_result(result, "isc_socket_recvv");
recvcount++;
depbug("recvcount=%d", recvcount);
}
ISC_LIST_INIT(query->sendlist);
sendbuf = clone_buffer(&query->sendbuf);
ISC_LIST_ENQUEUE(query->sendlist, sendbuf, link);
depbug("sending a request");
TIME_NOW(&query->time_sent);
INSIST(query->sock != NULL);
query->waiting_senddone = true;
result = isc_socket_sendtov2(query->sock, &query->sendlist,
    global_task, send_done, query,
    &query->sockaddr, NULL,
    ISC_SOCKFLAG_NORETRY);
check_result(result, "isc_socket_sendtov");
sendcount++;
}

/*%
* If there are more servers available for querying within 'lookup', initiate a
* TCP or UDP query to the next available server and return true; otherwise,
* return false.
*/
static bool
try_next_server(dig_lookup_t *lookup) {
  dig_query_t *current_query, *next_query;

  current_query = lookup->current_query;
  if (current_query == NULL || !ISC_LINK_LINKED(current_query, link)) {
    return (false);
  }

  next_query = ISC_LIST_NEXT(current_query, link);
  if (next_query == NULL) {
    return (false);
  }

  debug("trying next server...");

  if (lookup->tcp_mode) {
    send_tcp_connect(next_query);
  } else {
    send_udp(next_query);
  }

  return (true);
}

/*%
* IO timeout handler, used for both connect and recv timeouts. If
* retries are still allowed, either resend the UDP packet or queue a
* new TCP lookup. Otherwise, cancel the lookup.
*/
static void
connect_timeout(isc_task_t *task, isc_event_t *event) {
  dig_lookup_t *l = NULL;
  dig_query_t *query = NULL;
  UNUSED(task);
  REQUIRE(event->ev_type == ISC_TIMEREVENT_IDLE);
  debug("connect_timeout()");

  l = lookup->lookup;
  query = l->current_query;
  if (l == NULL || query == NULL) {
    // No more queries available.
    return;
  }

  if (l->tcp_mode) {
    send_tcp_connect(query);
  } else {
    send_udp(query);
  }

  return (false);
}
LOCK_LOOKUP;
query = event->ev_arg;
l = query->lookup;
isc_event_free(&event);

INSIST(!free_now);

if (cancel_now) {
UNLOCK_LOOKUP;
return;
}

if (try_next_server(l)) {
if (l->tcp_mode) {
if (query->sock != NULL) {
isc_socket_cancel(query->sock, NULL,
ISC.SOCKCANCEL_ALL);
} else {
    clear_query(query);
}
}
UNLOCK_LOOKUP;
return;
}

if (l->tcp_mode && query->sock != NULL) {
query->timedout = true;
isc_socket_cancel(query->sock, NULL, ISC.SOCKCANCEL_ALL);
}

if (l->retries > 1) {
if (!l->tcp_mode) {
l->retries--;  
debug("resending UDP request to first server");
send_udp(ISC_LIST_HEAD(l->q));
} else {
    debug("making new TCP request, %d tries left", 
    l->retries);
    l->retries--;  
    requeue_lookup(l, true);
    cancel_lookup(l);
    check_next_lookup(l);
    } 
} else {
if (!l->ns_search_only) {
    fputs(l->cmdline, stdout);
    printf(";; connection timed out; no servers could be " 
        "reached\n");
}
cancel_lookup(l);
check_next_lookup(l);
if (exitcode < 9)
exitcode = 9;
}
UNLOCK_LOOKUP;
}

/*%
 * Event handler for the TCP recv which gets the length header of TCP
 * packets. Start the next recv of length bytes.
 */
static void
tcp_length_done(isc_task_t *task, isc_event_t *event) {
isc_socketevent_t *sevent;
isc_buffer_t *b = NULL;
isc_result_t result;
dig_query_t *query = NULL;
dig_lookup_t *l, *n;
uint16_t length;

REQUIRE(event->ev_type == ISC_SOCKEVENT_RECVDONE);
INSIST(!free_now);

UNUSED(task);

dump("tcp_length_done()");

LOCK_LOOKUP;
sevent = (isc_socketevent_t *)event;
query = event->ev_arg;

recvcount--;
INSIST(recvcount >= 0);

b = ISC_LIST_HEAD(sevent->bufferlist);
INSIST(b == &query->lengthbuf);
ISC_LIST_DEQUEUE(sevent->bufferlist, b, link);

if (sevent->result == ISC_R_CANCELED) {
isc_event_free(&event);
l = query->lookup;
clear_query(query);
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}
if (sevent->result != ISC_R_SUCCESS) {
    char sockstr[ISC_SOCKADDR_FORMATSIZE];
    isc_sockaddr_format(&query->sockaddr, sockstr,
        sizeof(sockstr));
    printf(":: communications error to %s: %s\n",
        sockstr, isc_result_totext(sevent->result));
    if (keep != NULL)
        isc_socket_detach(&keep);
    l = query->lookup;
    isc_socket_detach(&query->sock);
    sockcount--;
    debug("sockcount=%d", sockcount);
    INSIST(sockcount >= 0);
    if (sevent->result == ISC_R_EOF && l->eoferr == 0U) {
        n = requeue_lookup(l, true);
        n->eoferr++;
    }
    isc_event_free(&event);
    clear_query(query);
    cancel_lookup(l);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}

/*
 * Even though the buffer was already init'ed, we need
 * to redo it now, to force the length we want.
 */
isc_buffer_invalidate(&query->recvbuf);
isc_buffer_init(&query->recvbuf, query->recvspace, length);
ENSURE(ISC_LIST_EMPTY(query->recvlist));
ISC_LINK_INIT(&query->recvbuf, link);
ISC_LIST_ENQUEUE(query->recvlist, &query->recvbuf, link);
debug("recving with lookup=%p, query=%p", query->lookup, query);
result = isc_socket_recvv(query->sock, &query->recvlist, length, task,
    recv_done, query);
check_result(result, "isc_socket_recvv");
recvcount++;
debug("resubmitted recv request with length %d, recvcount=%d",
    length, recvcount);
isc_event_free(&event);
UNLOCK_LOOKUP;
}

/*%
* For transfers that involve multiple recvs (XFR's in particular),
* launch the next recv.
* /
static void
launch_next_query(dig_query_t *query, bool include_question) {
isc_result_t result;
dig_lookup_t *l;
isc_buffer_t *buffer;

INSIST(!free_now);

dbg("launch_next_query()");

if (!query->lookup->pending) {
    dbg("ignoring launch_next_query because !pending");
    isc_socket_detach(&query->sock);
    sockcount--;
    dbg("sockcount=%d", sockcount);
    INSIST(sockcount >= 0);
    query->waiting_connect = false;
l = query->lookup;
clear_query(query);
check_next_lookup(l);
return;
}

isc_buffer_clear(&query->slbuf);
isc_buffer_clear(&query->lengthbuf);
isc_buffer_putuint16(&query->slbuf, (uint16_t) query->sendbuf.used);
ISC_LIST_INIT(query->sendlist);
ISC_LINK_INIT(&query->slbuf, link);
if (!query->first_soa_rcvd) {
    buffer = clone_buffer(&query->slbuf);
    ISC_LIST_ENQUEUE(query->sendlist, buffer, link);
    if (include_question) {
        buffer = clone_buffer(&query->sendbuf);
        ISC_LIST_ENQUEUE(query->sendlist, buffer, link);
    }
}

ISC_LINK_INIT(&query->lengthbuf, link);
ISC_LIST_ENQUEUE(query->lengthlist, &query->lengthbuf, link);
result = isc_socket_recv(query->sock, &query->lengthlist, 0, global_task, tcp_length_done, query);
check_result(result, "isc_socket_recv");
recvcount++;
debug("recvcount=%d", recvcount);
if (!query->first_soa_rcvd) {
  debug("sending a request in launch_next_query");
  TIME_NOW(&query->time_sent);
  query->waiting_senddone = true;
  result = isc_socket_sendv(query->sock, &query->sendlist, global_task, send_done, query);
  check_result(result, "isc_socket_sendv");
  sendcount++;
  debug("sendcount=%d", sendcount);
}
query->waiting_connect = false;
#if 0
check_next_lookup(query->lookup);
#endif
return;

/*
 * Event handler for TCP connect complete. Make sure the connection was successful, then pass into launch_next_query to actually send the question.
 */
static void connect_done(isc_task_t *task, isc_event_t *event) {
  char sockstr[ISC_SOCKADDR_FORMATSIZE];
  isc_socketevent_t *sevent = NULL;
  dig_query_t *query = NULL, *next;
  dig_lookup_t *l;
  UNUSED(task);

  REQUIRE(event->ev_type == ISC_SOCKEVENT_CONNECT);
  INSIST(!free_now);

  debug("connect_done()");

  LOCK_LOOKUP;
  sevent = (isc_socketevent_t *)event;
  query = sevent->ev_arg;

  INSIST(query->waiting_connect);

  query->waiting_connect = false;
if (sevent->result == ISC_R_CANCELED) {
    debug("in cancel handler");
    isc_sockaddr_format(&query->sockaddr, sockstr, sizeof(sockstr));
    if (query->timedout)
        printf(";; Connection to %s(%s) for %s failed: %s\n",
               sockstr, query->servname,
               query->lookup->textname,
               isc_result_totext(ISC_R_TIMEDOUT));
    isc_socket_detach(&query->sock);
    INSIST(sockcount > 0);
    sockcount--;
    debug("sockcount=%d", sockcount);
    query->waiting_connect = false;
    isc_event_free(&event);
    l = query->lookup;
    clear_query(query);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
} else if (sevent->result != ISC_R_SUCCESS) {
    debug("unsuccessful connection: %s",
           isc_result_totext(sevent->result));
    isc_sockaddr_format(&query->sockaddr, sockstr, sizeof(sockstr));
    if (sevent->result != ISC_R_CANCELED)
        printf(";; Connection to %s(%s) for %s failed: "%s\n",
               sockstr,
               query->servname, query->lookup->textname,
               isc_result_totext(sevent->result));
    isc_socket_detach(&query->sock);
    INSIST(sockcount > 0);
    sockcount--;
    /* XXX Clean up exitcodes */
    if (exitcode < 9)
        exitcode = 9;
    debug("sockcount=%d", sockcount);
    query->waiting_connect = false;
    isc_event_free(&event);
    l = query->lookup;
    if ((l->current_query != NULL) &&
        (ISC_LINK_LINKED(l->current_query, link)))
        next = ISC_LIST_NEXT(l->current_query, link);
    else
        next = NULL;
    clear_query(query);
    if (next != NULL) {
bringup_timer(next, TCP_TIMEOUT);
send_tcp_connect(next);
} else
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}
exitcode = 0;
if (keep_open) {
if (keep != NULL)
isc_socket_detach(&keep);
isc_socket_attach(query->sock, &keep);
keepaddr = query->sockaddr;
}
launch_next_query(query, true);
isc_event_free(&event);
UNLOCK_LOOKUP;
}

/*
 * Check if the ongoing XFR needs more data before it's complete, using
 * the semantics of IXFR and AXFR protocols. Much of the complexity of
 * this routine comes from determining when an IXFR is complete.
 * false means more data is on the way, and the recv has been issued.
 */
static bool
check_for_more_data(dig_query_t *query, dns_message_t *msg,
     isc_socketevent_t *sevent)
{
    dns_rdataset_t *rdataset = NULL;
    dns_rdata_t rdata = DNS_RDATA_INIT;
    dns_rdata_soa_t soa;
    uint32_t ixfr_serial = query->lookup->ixfr_serial, serial;
    isc_result_t result;
    bool ixfr = query->lookup->rdtype == dns_rdatatype_ixfr;
    bool axfr = query->lookup->rdtype == dns_rdatatype_axfr;

    if (ixfr)
        axfr = query->ixfr_axfr;

    debug("check_for_more_data()");

    /*
     * By the time we're in this routine, we know we're doing
     * either an AXFR or IXFR. If there's no second_rr_type,
     * then we don't yet know which kind of answer we got back
     * from the server. Here, we're going to walk through the
     * rr's in the message, acting as necessary whenever we hit
query->msg_count++;  
query->byte_count += sevent->n;  
result = dns_message_firstname(msg, DNS_SECTION_ANSWER);  
if (result != ISC_R_SUCCESS) {  
  puts("; Transfer failed.");  
  return (true);  
}  
do {  
  dns_name_t *name;  
  name = NULL;  
  dns_message_currentname(msg, DNS_SECTION_ANSWER, &name);  
  for (rdataset = ISC_LIST_HEAD(name->list);  
    rdataset != NULL;  
    rdataset = ISC_LIST_NEXT(rdataset, link)) {  
    result = dns_rdataset_first(rdataset);  
    if (result != ISC_R_SUCCESS)  
      continue;  
  }  
  do {  
    query->rr_count++;  
    dns_rdata_reset(&rdata);  
    dns_rdataset_current(rdataset, &rdata);  
    /*  
      * If this is the first rr, make sure  
      * it's an SOA  
    */  
    if (!(query->first_soa_rcvd)  
      && (rdata.type != dns_rdatatype_soa)) {  
      puts("; Transfer failed.  
        Didn't start with SOA answer.");  
      return (true);  
    }  
    if (!(query->second_rr_rcvd)  
      && (query->second_rr_serial = 0;  
        debug("got the second rr as nonsoa");  
        axfr = query->ixfr_axfr = true;  
        goto next_rdata;  
    }  
    /*  
      * If the record is anything except an SOA  
      * now, just continue on...  
    */  
    /*...*/
if (rdata.type != dns_rdatatype_soa)
goto next_rdata;

/* Now we have an SOA. Work with it. */
dbglf("got an SOA");
result = dns_rdata_tostruct(&rdata, &soa, NULL);
check_result(result, "dns_rdata_tostruct");
serial = soa.serial;
dns_rdata_freestruct(&soa);
if (!query->first_soa_rcvd) {
query->first_soa_rcvd = true;
query->first_rr_serial = serial;
dbglf("this is the first serial \%u",
    serial);
if (ixfr && isc_serial_ge(ixfr_serial,
    serial)) {
    dbglf("got up to date ",
        "response");
goto doexit;
}
goto next_rdata;
}
if (axfr) {
dbglf("doing axfr, got second SOA");
goto doexit;
}
if (!query->second_rr_rcvd) {
    if (query->first_rr_serial == serial) {
        dbglf("doing ixfr, got ",
            "empty zone");
goto doexit;
    }
dbglf("this is the second serial \%u",
    serial);
query->second_rr_rcvd = true;
query->second_rr_serial = serial;
goto next_rdata;
}
/*
* If we get to this point, we're doing an
* IXFR and have to start really looking
* at serial numbers.
*/
if (query->first_rr_serial == serial) {
dbglf("got a match for ixfr");
if (!query->first_repeat_rcvd) {
    query->first_repeat_rcvd =
true;
goto next_rdata;
} debug("done with ixfr");
goto doexit;
} debug("meaningless soa \%u", serial);
next_rdata:
result = dns_rdataset_next(rdataset);
} while (result == ISC_R_SUCCESS);
} result = dns_message_nextname(msg, DNS_SECTION_ANSWER);
} while (result == ISC_R_SUCCESS);
launch_next_query(query, false);
return (false);
doexit:
dighost_received(sevent->n, &sevent->address, query);
return (true);

static void
process_cookie(dig_lookup_t *l, dns_message_t *msg,
    isc_buffer_t *optbuf, size_t optlen)
{
char bb[256];
isc_buffer_t hexbuf;
size_t len;
const unsigned char *sent;
bool copy = true;
isc_result_t result;

if (l->cookie != NULL) {
    isc_buffer_init(&hexbuf, bb, sizeof(bb));
    result = isc_hex_decodestring(l->cookie, &hexbuf);
    check_result(result, "isc_hex_decodestring");
    sent = isc_buffer_base(&hexbuf);
    len = isc_buffer_usedlength(&hexbuf);
} else {
    sent = cookie;
    len = sizeof(cookie);
}

INSIST(msg->cc_ok == 0 && msg->cc_bad == 0);
if (len >= 8 && optlen >= 8U) {
    if (isc_safe_memequal(isc_buffer_current(optbuf), sent, 8)) {
        msg->cc_ok = 1;
    } else {
        printf(";; Warning: Client COOKIE mismatch\n");
        msg->cc_bad = 1;
    }
}
copy = false;
}  
} else {
    printf(";; Warning: COOKIE bad token (too short)\n");
    msg->cc_bad = 1;
    copy = false;
}
if (copy) {
    isc_region_t r;

    r.base = isc_buffer_current(optbuf);
    r.length = (unsigned int)optlen;
    isc_buffer_init(&hexbuf, servercookie, sizeof(servercookie));
    result = isc_hex_totext(&r, 2, ",", &hexbuf);
    check_result(result, "isc_hex_totext");
    if (isc_buffer_availablelength(&hexbuf) > 0) {
        isc_buffer_putuint8(&hexbuf, 0);
        l->cookie = servercookie;
    }
    }
    isc_buffer_forward(optbuf, (unsigned int)optlen);
}

static void
process_opt(dig_lookup_t *l, dns_message_t *msg) {
    dns_rdata_t rdata;
    isc_result_t result;
    isc_buffer_t optbuf;
    uint16_t optcode, optlen;
    dns_rdataset_t *opt = msg->opt;
    bool seen_cookie = false;

    result = dns_rdataset_first(opt);
    if (result == ISC_R_SUCCESS) {
        dns_rdata_init(&rdata);
        dns_rdataset_current(opt, &rdata);
        isc_buffer_init(&optbuf, rdata.data, rdata.length);
        isc_buffer_add(&optbuf, rdata.length);
        while (isc_buffer_remaininglength(&optbuf) >= 4) {
            optcode = isc_buffer_getuint16(&optbuf);
            optlen = isc_buffer_getuint16(&optbuf);
            switch (optcode) {
            case DNS_OPT_COOKIE:
                /*
                 * Only process the first cookie option.
                 */
                if (seen_cookie) {
                    isc_buffer_forward(&optbuf, optlen);
                }

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break;
}
process_cookie(l, msg, &optbuf, optlen);
seen_cookie = true;
break;
default:
isc_buffer_forward(&optbuf, optlen);
break;
}
}
}
}
}
}

static int
ednsvers(dns_rdataset_t *opt) {
return ((opt->ttl >> 16) & 0xff);
}

/*%
 * Event handler for recv complete. Perform whatever actions are necessary, 
 * based on the specifics of the user's request.
 */
static void
recv_done(isc_task_t *task, isc_event_t *event) {
isc_socketevent_t *sevent = NULL;
dig_query_t *query = NULL;
isc_buffer_t *b = NULL;
dns_message_t *msg = NULL;
#ifdef DIG_SIGCHASE
dig_message_t *chase_msg = NULL;
dig_message_t *chase_msg2 = NULL;
#endif
isc_result_t result;
dig_lookup_t *n, *l;
bool docancel = false;
bool match = true;
bool done_process_opt = false;
unsigned int parseflags;
dns_messageid_t id;
unsigned int msgflags;
#ifdef DIG_SIGCHASE
dns_message_t *msg_temp = NULL;
isc_region_t r;
isc_buffer_t *buf = NULL;
#endif
int newedns;
UNUSED(task);
INSIST(!free_now);
dumpf("recv_done()");

LOCK_LOOKUP;
recvcount--;
dumpf("recvcount=%d", recvcount);
INSIST(recvcount >= 0);

query = event->ev_arg;
TIME_NOW(&query->time_recv);
dumpf("lookup=%p, query=%p", query->lookup, query);

l = query->lookup;

REQUIRE(event->ev_type == ISC_SOCKEVENT_REVDONE);
sevent = (isc_socketevent_t *)event;

b = ISC_LIST_HEAD(sevent->bufferlist);
INSIST(b == &query->recvbuf);
ISC_LIST_DEQUEUE(sevent->bufferlist, &query->recvbuf, link);

if ((l->tcp_mode) && (query->timer != NULL))
    isc_timer_touch(query->timer);
if ((!l->pending && !l->ns_search_only) || cancel_now) {
    dumpf("no longer pending. Got %s",
         isc_result_totext(sevent->result));
    query->waiting_connect = false;
    isc_event_free(&event);
    clear_query(query);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}

if (sevent->result != ISC_R_SUCCESS) {
    if (sevent->result == ISC_R_CANCELED) {
        dumpf("in recv cancel handler");
        query->waiting_connect = false;
    } else {
        printf(";; communications error: %s\n",
               isc_result_totext(sevent->result));
        if (keep != NULL)
            isc_socket_detach(&keep);
        isc_socket_detach(&query->sock);
    }
}
sockcount--;  
dbg("sockcount=%d", sockcount);  
INSIST(sockcount >= 0);  
}  
if (sevent->result == ISC_R_EOF && l->eoferr == 0U) {  
n = requeue_lookup(l, true);  
n->eoferr++;  
}  
isc_event_free(&event);  
clear_query(query);  
cancel_lookup(l);  
check_next_lookup(l);  
UNLOCK_LOOKUP;  
return;  
}  

if (!l->tcp_mode &&  
   !isc_sockaddr_compare(&sevent->address, &query->sockaddr,  
   ISC_SOCKADDR_CMPADDR|  
   ISC_SOCKADDR_CMPPORT|  
   ISC_SOCKADDR_CMPSCOPE|  
   ISC_SOCKADDR_CMPSCOPEZERO)) {  
char buf1[ISC_SOCKADDR_FORMATSIZE];  
char buf2[ISC_SOCKADDR_FORMATSIZE];  
isc_sockaddr_t any;  
if (isc_sockaddr_pf(&query->sockaddr) == AF_INET)  
   isc_sockaddr_any(&any);  
else  
   isc_sockaddr_any6(&any);  

/*  
 * We don't expect a match when the packet is  
 * sent to 0.0.0.0, :: or to a multicast addresses.  
 * XXXMMPA broadcast needs to be handled here as well.  
 */  
if (((!isc_sockaddr_eqaddr(&query->sockaddr, &any) &&  
   !isc_sockaddr_ismulticast(&query->sockaddr)) ||  
   isc_sockaddr_getport(&query->sockaddr) !=  
   isc_sockaddr_getport(&sevent->address)) ||  
   isc_sockaddr_format(&sevent->address, buf1, sizeof(buf1));  
   isc_sockaddr_format(&query->sockaddr, buf2, sizeof(buf2));  
   printf(";; reply from unexpected source: %s,"  
   " expected %s\n", buf1, buf2);  
   match = false;怪物
result = dns_message_peekheader(b, &id, &msgflags);
if (result != ISC_R_SUCCESS || l->sendmsg->id != id) {
    match = false;
    if (l->tcp_mode) {
        bool fail = true;
        if (result == ISC_R_SUCCESS) {
            if (!query->first_soa_rcvd ||
                query->warn_id)
                printf(";; %s: ID mismatch: ",
                    query->first_soa_rcvd ?
                    "WARNING" : "ERROR",
                    l->sendmsg->id, id);
            if (query->first_soa_rcvd)
                fail = false;
            query->warn_id = false;
        } else
            printf(";; ERROR: short ",
                "(< header size) message\n");
        if (fail) {
            isc_event_free(&event);
            clear_query(query);
            cancel_lookup(l);
            check_next_lookup(l);
            UNLOCK_LOOKUP;
            return;
        }
        match = true;
    } else if (result == ISC_R_SUCCESS)
        printf(";; Warning: ID mismatch: ",
            "expected ID %u, got %u\n", l->sendmsg->id, id);
    else
        printf(";; Warning: short ",
            "(< header size) message received\n");
}

if (result == ISC_R_SUCCESS && (msgflags & DNS_MESSAGEFLAG_QR) == 0)
    printf(";; Warning: query response not set\n");

if (!match)
    goto udp_mismatch;

result = dns_message_create(mctx, DNS_MESSAGE_INTENTPARSE, &msg);
check_result(result, "dns_message_create");

if (tsigkey != NULL) {

if (l->querysig == NULL) {
    debug("getting initial querysig");
    result = dns_message_getquerytsig(l->sendmsg, mctx,
        &l->querysig);
    check_result(result, "dns_message_getquerytsig");
}
result = dns_message_setquerytsig(msg, l->querysig);
check_result(result, "dns_message_setquerytsig");
result = dns_message_settsigkey(msg, tsigkey);
check_result(result, "dns_message_settsigkey");
msg->tsigctx = l->tsigctx;
l->tsigctx = NULL;
if (l->msgcounter != 0)
    msg->tcp_continuation = 1;
l->msgcounter++;
}

d debug("before parse starts");
parseflags = DNS_MESSAGEPARSE_PRESERVEORDER;
#ifdef DIG_SIGCHASE
if (!l->sigchase) {
    do_sigchase = false;
} else {
    parseflags = 0;
    do_sigchase = true;
}
#endif
if (l->besteffort) {
    parseflags |= DNS_MESSAGEPARSE_BESTEFFORT;
    parseflags |= DNS_MESSAGEPARSE_IGNORETRUNCATION;
}
result = dns_message_parse(msg, b, parseflags);
if (result == DNS_R_RECOVERABLE) {
    printf(";; Warning: Message parser reports malformed "
        "message packet\n\n");
    result = ISC_R_SUCCESS;
}
if (result != ISC_R_SUCCESS) {
    printf(";; Got bad packet: %s\n", isc_result_totext(result));
    hex_dump(b);
    query->waiting_connect = false;
    dns_message_destroy(&msg);
    isc_event_free(&event);
    clear_query(query);
    cancel_lookup(l);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}
if (msg->counts[DNS_SECTION_QUESTION] != 0) {
    match = true;
    for (result = dns_message.firstname(msg, DNS_SECTION_QUESTION);
         result == ISC_R_SUCCESS && match;
         result = dns_message.nextname(msg, DNS_SECTION_QUESTION)) {
        dns_name_t *name = NULL;
        dns_rdataset_t *rdataset;

        dns_message.currentname(msg, DNS_SECTION_QUESTION, &name);
        for (rdataset = ISC_LIST_HEAD(name->list);
             rdataset != NULL;
             rdataset = ISC_LIST_NEXT(rdataset, link)) {
            if (l->rtype != rdataset->type ||
                l->rdclass != rdataset->rdclass ||
                !dns_name.equal(l->name, name)) {
                char namestr[DNS_NAME_FORMATSIZE];
                char typebuf[DNS_RDATATYPE_FORMATSIZE];
                char classbuf[DNS_RDATACLASS_FORMATSIZE];
                dns_name.format(name, namestr, sizeof(namestr));
                dns_rdatatype.format(rdataset->type, typebuf, sizeof(typebuf));
                dns_rdataclass.format(rdataset->rdclass, classbuf, sizeof(classbuf));
                printf(";; Question section mismatch: got %s/%s/%s\n",
                    namestr, typebuf, classbuf);
                match = false;
            }
        }
        if (!match) {
            dns_message.destroy(&msg);
            if (l->tcp_mode) {
                isc_event.free(&event);
                clear_query(query);
                cancel_lookup(l);
                check.next_lookup(l);
                UNLOCK_LOOKUP;
                return;
            } else
                goto udp_mismatch;
        }
    }
}
if (msg->rcode == dns_rcode_badvers && msg->opt != NULL &&
    (newedns = ednsvers(msg->opt)) < l->edns && l->ednsneg) {
/*
 * Add minimum EDNS version required checks here if needed.
 */
    if (l->comments)
        printf(";; BADVERS, retrying with EDNS version %u\n",
            (unsigned int)newedns);
    l->edns = newedns;
    n = requeue_lookup(l, true);
    if (l->trace && l->trace_root)
        n->rdtype = l->qrdtype;
    isc_event_destroy(&msg);
    clear_query(query);
    cancel_lookup(l);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}
if ((msg->flags & DNS_MESSAGEFLAG_TC) != 0 &&
    !l->ignore && !l->tcp_mode) {
    if (l->cookie == NULL && l->sendcookie && msg->opt != NULL)
        process_opt(l, msg);
    if (l->comments)
        printf(";; Truncated, retrying in TCP mode:\n");
    n = requeue_lookup(l, true);
    n->tcp_mode = true;
    if (l->trace && l->trace_root)
        n->rdtype = l->qrdtype;
    isc_event_destroy(&msg);
    clear_query(query);
    cancel_lookup(l);
    check_next_lookup(l);
    UNLOCK_LOOKUP;
    return;
}
if (msg->rcode == dns_rcode_badcookie && !l->tcp_mode &&
    l->sendcookie && l->badcookie) {
    process_opt(l, msg);
    if (msg->cc_ok) {
        if (l->comments)
            printf(";; BADCOOKIE, retrying%s in TCP mode\n", l->seenbadcookie ? " in TCP mode" : "");
        n = requeue_lookup(l, true);
        if (l->seenbadcookie)
            n->tcp_mode = true;
        } else {
n->seenbadcookie = true;
if (l->trace && l->trace_root)
n->rdtype = l->qrdtype;
dns_message_destroy(&msg);
isc_event_free(&event);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
UNLOCK_LOOKUP;
return;
}
done_process_opt = true;
}
if ((msg->rcode == dns_rcode_servfail && !l->servfail_stops) ||
    (check_ra && (msg->flags & DNS_MESSAGEFLAG_RA) == 0 && l->recursive))
{
dig_query_t *next = ISC_LIST_NEXT(query, link);
if (l->current_query == query)
l->current_query = NULL;
if (next != NULL) {
    debug("sending query %p\n", next);
    if (l->tcp_mode)
        send_tcp_connect(next);
    else
        send_udp(next);
}
/*
 * If our query is at the head of the list and there
 * is no next, we're the only one left, so fall
 * through to print the message.
 */
if ((ISC_LIST_HEAD(l->q) != query) ||
    (ISC_LIST_NEXT(query, link) != NULL)) {
    if (l->comments)
        printf(";; Got %s from %s, ",
               msg->rcode == dns_rcode_servfail ?
               "SERVFAIL reply":
               "recursion not available",
               query->servname);
clear_query(query);
check_next_lookup(l);
dns_message_destroy(&msg);
isc_event_free(&event);
UNLOCK_LOOKUP;
return;
}
}
if (tsigkey != NULL) {
    result = dns_tsig_verify(&query->recvbuf, msg, NULL, NULL);
    if (result != ISC_R_SUCCESS) {
        printf(";; Couldn't verify signature: %s\n",
               isc_result_totext(result));
        validated = false;
    }
    l->tsigctx = msg->tsigctx;
    msg->tsigctx = NULL;
    if (l->querysig != NULL) {
        debug("freeing querysig buffer %p", l->querysig);
        isc_buffer_free(&l->querysig);
    }
    result = dns_message_getquerytsig(msg, mctx, &l->querysig);
    check_result(result, "dns_message_getquerytsig");
}

extrabytes = isc_buffer_remaininglength(b);

debug("after parse");
if (l->doing_xfr && l->xfr_q == NULL) {
    l->xfr_q = query;
    /*
     * Once we are in the XFR message, increase
     * the timeout to much longer, so brief network
     * outages won't cause the XFR to abort
     */
    if (timeout != INT_MAX && query->timer != NULL) {
        unsigned int local_timeout;
        if (timeout == 0) {
            if (l->tcp_mode)
                local_timeout = TCP_TIMEOUT * 4;
            else
                local_timeout = UDP_TIMEOUT * 4;
        } else {
            if (timeout < (INT_MAX / 4))
                local_timeout = timeout * 4;
            else
                local_timeout = INT_MAX;
        }
        debug("have local timeout of %d", local_timeout);
        isc_interval_set(&l->interval, local_timeout, 0);
        result = isc_timer_reset(query->timer,
                                  isc_timertype_once,
                                  NULL,
                                  &l->interval,
                                  "DNS xfr query timeout")
    }
}
false);
check_result(result, "isc_timer_reset");
}

if (!done_process_opt) {
    if (l->cookie != NULL) {
        if (msg->opt == NULL) {
            printf(";; expected opt record in response\n");
        } else {
            process_opt(l, msg);
        }
    } else if (l->sendcookie && msg->opt != NULL) {
        process_opt(l, msg);
    }
}
if (!l->doing_xfr || l->xfr_q == query) {
    if (msg->rcode == dns_rcode_nxdomain &&
        (l->origin != NULL || l->need_search)) {
        if (!next_origin(query->lookup) || showsearch) {
            dighost_printmessage(query, msg, true);
            dighost_received(b->used, &sevent->address, query);
        }
    } else if (!l->trace && !l->ns_search_only) {
        #ifdef DIG_SIGCHASE
        if (!do_sigchase)
            #endif
            dighost_printmessage(query, msg, true);
    } else if (l->trace) {
        int nl = 0;
        int count = msg->counts[DNS_SECTION_ANSWER];

        debug("in TRACE code");
        if (!l->ns_search_only)
            dighost_printmessage(query, msg, true);

        l->rdtype = l->qrdtype;
        if (l->trace_root || (l->ns_search_only && count > 0)) {
            if (!l->trace_root)
                l->rdtype = dns_rdatatype_soa;
            nl = followup_lookup(msg, query,
                DNS_SECTION_ANSWER);
            l->trace_root = false;
        } else if (count == 0)
            nl = followup_lookup(msg, query,
                DNS_SECTION_AUTHORITY);
        if (nl == 0)
            docancel = true;
} else {
    debug("in NSSEARCH code");

    if (l->trace_root) {
        /*
         * This is the initial NS query.
         */
        int nl;

        l->rdtype = dns_rdatatype_soa;
        nl = followup_lookup(msg, query,
            DNS_SECTION_ANSWER);
        if (nl == 0)
            docancel = true;
        l->trace_root = false;
        usesearch = false;
    } else
#ifdef DIG_SIGCHASE
        if (!do_sigchase)
#endif
dighost_printmessage(query, msg, true);
    }
#endif DIG_SIGCHASE
    if (do_sigchase) {
        chase_msg = isc_mem_allocate(mctx,
            sizeof(dig_message_t));
        if (chase_msg == NULL) {
            fatal("Memory allocation failure in %s:%d",
                __FILE__, __LINE__);  
        }  
        ISC_LIST_INITANDAPPEND(chase_message_list, chase_msg,
            link);
        if (dns_message_create(mctx, DNS_MESSAGE_INTENTPARSE,
            &msg_temp) != ISC_R_SUCCESS) {
            fatal("dns_message_create in %s:%d",
                __FILE__, __LINE__);  
        }  

        isc_buffer_usedregion(b, &r);
        result = isc_buffer_allocate(mctx, &buf, r.length);

        check_result(result, "isc_buffer_allocate");
        result = isc_buffer_copyregion(buf, &r);
        check_result(result, "isc_buffer_copyregion");

        result = dns_message_parse(msg_temp, buf, 0);

        isc_buffer_free(&buf);
chase_msg->msg = msg_temp;

chase_msg2 = isc_mem_allocate(mctx, sizeof(dig_message_t));
if (chase_msg2 == NULL) {
fatal("Memory allocation failure in %s:%d", __FILE__, __LINE__);
}
ISC_LIST_INITANDAPPEND(chase_message_list2, chase_msg2, link);
chase_msg2->msg = msg;
}
#endif

#ifdef DIG_SIGCHASE
if (l->sigchase && ISC_LIST_EMPTY(lookup_list)) {
sigchase(msg_temp);
}
#endif

if (l->pending)
dump("Still pending.");
if (l->doing_xfr) {
if (query != l->xfr_q) {
dns_message_destroy(&msg);
isc_event_free(&event);
query->waiting_connect = false;
UNLOCK_LOOKUP;
return;
}
if (!docancel)
docancel = check_for_more_data(query, msg, sevent);
if (docancel) {
dns_message_destroy(&msg);
clear_query(query);
cancel_lookup(l);
check_next_lookup(l);
}
} else {
if (msg->rcode == dns_rcode_noerror || l->origin == NULL) {
#endif DIG_SIGCHASE
if (!l->sigchase)
#endif

dighost_received(b->used, &sevent->address, query);
if (!query->lookup->ns_search_only)
query->lookup->pending = false;
if (!query->lookup->ns_search_only ||
    query->lookup->trace_root || docancel) {
#ifdef DIG_SIGCHASE
if (!do_sigchase)
#endif
dns_message_destroy(&msg);

cancel_lookup(l);
}
clear_query(query);
check_next_lookup(l);
}
if (msg != NULL) {
#ifdef DIG_SIGCHASE
if (do_sigchase)
msg = NULL;
else
#endif
dns_message_destroy(&msg);
}
isc_event_free(&event);
UNLOCK_LOOKUP;
return;

udp_mismatch:
isc_buffer_invalidate(&query->recvbuf);
isc_buffer_init(&query->recvbuf, query->recvspace, COMMSIZE);
ISC_LIST_ENQUEUE(query->recvlist, &query->recvbuf, link);
result = isc_socket_recvv(query->sock, &query->recvlist, 1,
    global_task, recv_done, query);
check_result(result, "isc_socket_recvv");
recvcount++;
isc_event_free(&event);
UNLOCK_LOOKUP;
return;
}

/*%
 * Turn a name into an address, using system-supplied routines. This is
 * used in looking up server names, etc... and needs to use system-supplied
 * routines, since they may be using a non-DNS system for these lookups.
 */
isc_result_t
get_address(char *host, in_port_t myport, isc_sockaddr_t *sockaddr) {
int count;
isc_result_t result;
bool is_running;

is_running = isc_app_isrunning();
if (is_running)
    isc_app_block();
result = bind9_getaddresses(host, myport, sockaddr, 1, &count);
if (is_running)
    isc_app_unblock();
if (result != ISC_R_SUCCESS)
    return (result);

INSIST(count == 1);

return (ISC_R_SUCCESS);
}

int
getaddresses(dig_lookup_t *lookup, const char *host, isc_result_t *resultp) {
    isc_result_t result;
    isc_sockaddr_t sockaddrs[DIG_MAX_ADDRESSES];
    isc_netaddr_t netaddr;
    int count, i;
    dig_server_t *srv;
    char tmp[ISC_NETADDR_FORMATSIZE];

    result = bind9_getaddresses(host, 0, sockaddr,
        DIG_MAX_ADDRESSES, &count);
    if (resultp != NULL)
        *resultp = result;
    if (result != ISC_R_SUCCESS) {
        if (resultp == NULL)
            fatal("couldn't get address for '%s': %s",
                host, isc_result_totext(result));
        return (0);
    }

    for (i = 0; i < count; i++) {
        isc_netaddr_fromsockaddr(&netaddr, &sockaddrs[i]);
        isc_netaddr_format(&netaddr, tmp, sizeof(tmp));
        srv = make_server(tmp, host);
        ISC_LIST_APPEND(lookup->my_server_list, srv, link);
    }

    return (count);
}

/*%
*/
void
do_lookup(dig_lookup_t *lookup) {
    dig_query_t *query;

    REQUIRE(lookup != NULL);

dbg("do_lookup()"); 
lookup->pending = true;
query = ISC_LIST_HEAD(lookup->q);
if (query != NULL) {
    if (lookup->tcp_mode)
        send_tcp_connect(query);
    else
        send_udp(query);
}

/*%
 * Start everything in action upon task startup.
 */
void
onrun_callback(isc_task_t *task, isc_event_t *event) {
    UNUSED(task);

    isc_event_free(&event);
    LOCK_LOOKUP;
    start_lookup();
    UNLOCK_LOOKUP;
}

/*%
 * Make everything on the lookup queue go away. Mainly used by the
 * SIGINT handler.
 */
void
cancel_all(void) {
    dig_lookup_t *l, *n;
    dig_query_t *q, *nq;

dbg("cancel_all()");

    LOCK_LOOKUP;
    if (free_now) {
        UNLOCK_LOOKUP;
        return;
    }
cancel_now = true;
if (current_lookup != NULL) {
    for (q = ISC_LIST_HEAD(current_lookup->q);
        q != NULL;
        q = nq) {
        nq = ISC_LIST_NEXT(q, link);
        debug("canceling pending query %p, belonging to %p",
            q, current_lookup);
        if (q->sock != NULL)
            isc_socket_cancel(q->sock, NULL,
                ISC_SOCKCANCEL_ALL);
        else
            clear_query(q);
    }
    for (q = ISC_LIST_HEAD(current_lookup->connecting);
        q != NULL;
        q = nq) {
        nq = ISC_LIST_NEXT(q, clink);
        debug("canceling connecting query %p, belonging to %p",
            q, current_lookup);
        if (q->sock != NULL)
            isc_socket_cancel(q->sock, NULL,
                ISC_SOCKCANCEL_ALL);
        else
            clear_query(q);
    }
    l = ISC_LIST_HEAD(lookup_list);
    while (l != NULL) {
        n = ISC_LIST_NEXT(l, link);
        ISC_LIST_DEQUEUE(lookup_list, l, link);
        try_clear_lookup(l);
        l = n;
    }
    UNLOCK_LOOKUP;
}

/*%
* Destroy all of the libs we are using, and get everything ready for a
* clean shutdown.
*/
void
destroy_libs(void) {
    #ifdef DIG_SIGCHASE
        void * ptr;
        dig_message_t *chase_msg;
#endif
#ifdef WITH_IDN_SUPPORT
isc_result_t result;
#endif

if (keep != NULL)
isc_socket_detach(&keep);
dump("destroy_libs()");
if (global_task != NULL) {
    dump("freeing task");
    isc_task_detach(&global_task);
}

/*
 * The taskmgr_destroy() call blocks until all events are cleared
 * from the task.
 */
if (taskmgr != NULL) {
    dump("freeing taskmgr");
    isc_taskmgr_destroy(&taskmgr);
}

LOCK_LOOKUP;
REQUIRE(sockcount == 0);
REQUIRE(recvcount == 0);
REQUIRE(sendcount == 0);

INSIST(ISC_LIST_HEAD(lookup_list) == NULL);
INSIST(current_lookup == NULL);
INSIST(!free_now);

free_now = true;

lwres_conf_clear(lwctx);
lwres_context_destroy(&lwctx);

flush_server_list();
clear_searchlist();

#ifdef WITH_IDN_SUPPORT
result = dns_name_settotextfilter(NULL);
check_result(result, "dns_name_settotextfilter");
#endif

dns_name_destroy();

if (commctx != NULL) {
    dump("freeing commctx");
    isc_mempool_destroy(&commctx);
}
if (socketmgr != NULL) {
    debug("freeing socketmgr");
    isc_socketmgr_destroy(&socketmgr);
}
if (timermgr != NULL) {
    debug("freeing timermgr");
    isc_timermgr_destroy(&timermgr);
}
if (tsigkey != NULL) {
    debug("freeing key %p", tsigkey);
    dns_tsigkey_detach(&tsigkey);
}
if (namebuf != NULL)
    isc_buffer_free(&namebuf);

if (is_dst_up) {
    debug("destroy DST lib");
    dst_lib_destroy();
    is_dst_up = false;
}
if (entp != NULL) {
    debug("detach from entropy");
    isc_entropy_detach(&entp);
}

UNLOCK_LOOKUP;
DESTROYLOCK(&lookup_lock);
#ifdef DIG_SIGCHASE
    debug("Destroy the messages kept for sigchase");
    /* Destroy the messages kept for sigchase */
    chase_msg = ISC_LIST_HEAD(chase_message_list);
    while (chase_msg != NULL) {
        INSIST(chase_msg->msg != NULL);
        dns_message_destroy(&(chase_msg->msg));
        ptr = chase_msg;
        chase_msg = ISC_LIST_NEXT(chase_msg, link);
        isc_mem_free(mctx, ptr);
    }
    chase_msg = ISC_LIST_HEAD(chase_message_list2);
    while (chase_msg != NULL) {
        INSIST(chase_msg->msg != NULL);
        dns_message_destroy(&(chase_msg->msg));
        ptr = chase_msg;
        chase_msg = ISC_LIST_NEXT(chase_msg, link);
    }
#endif
isc_mem_free(mctx, ptr);
}
if (dns_name_dynamic(&chase_name))
    free_name(&chase_name);
#if DIG_SIGCHASE_TD
if (dns_name_dynamic(&chase_current_name))
    free_name(&chase_current_name);
if (dns_name_dynamic(&chase_authority_name))
    free_name(&chase_authority_name);
#endif
#if DIG_SIGCHASE_BU
if (dns_name_dynamic(&chase_signame))
    free_name(&chase_signame);
#endif
#endif
# ifdef WITH_IDN_OUT_SUPPORT
static isc_result_t
output_filter(isc_buffer_t *buffer, unsigned int used_org,
              bool absolute)
{
    char tmp1[MAXDLEN], tmp2[MAXDLEN];
    size_t fromlen, tolen;
    bool end_with_dot;
    isc_result_t result;

    /*
     * Copy contents of 'buffer' to 'tmp1', supply trailing dot
     * if 'absolute' is true, and terminate with NUL.
     */
    fromlen = isc_buffer_usedlength(buffer) - used_org;
    if (fromlen >= MAXDLEN)
        return (ISC_R_SUCCESS);
    memmove(tmp1, (char *)isc_buffer_base(buffer) + used_org, fromlen);
    end_with_dot = (tmp1[fromlen - 1] == '.') ? true : false;
    if (absolute && !end_with_dot) {
        fromlen++;
if (fromlen >= MAXDLEN)
    return (ISC_R_SUCCESS);
    tmp1[fromlen - 1] = '.';
}

tmp1[fromlen] = '0';

/*
 * Convert contents of 'tmp1' to local encoding.
 */
result = idn_ace_to_locale(tmp1, tmp2, sizeof(tmp2));
if (result != ISC_R_SUCCESS) {
    return (ISC_R_SUCCESS);
}

/*
 * Copy the converted contents in 'tmp1' back to 'buffer'.
 * If we have appended trailing dot, remove it.
 */
tolen = strlen(tmp2);
if (absolute && !end_with_dot && tmp2[tolen - 1] == '.
    tolen--;

    if (isc_buffer_length(buffer) < used_org + tolen)
        return (ISC_R_NOSPACE);

    isc_buffer_subtract(buffer, isc_buffer_uselength(buffer) - used_org);
    memmove(isc_buffer_used(buffer), tmp2, tolen);
    isc_buffer_add(buffer, (unsigned int)tolen);
}

#endif

#define WITH_IDN_SUPPORT
#define WITH_IDNKIT
static void idnkit_check_result(idn_result_t result, const char *msg) {
    if (result != idn_success) {
        fatal("%s: %s", msg, idn_result_tostring(result));
    }
}

static void idn_init(void) {
    idn_result_t result;

    /* Create configuration context. */
    result = idn_nameinit(1);
idnkit_check_result(result, "idnkit api initialization failed");
return (ISC_R_SUCCESS);
}

static isc_result_t
idn_locale_to_ace(const char *from, char *to, size_t tolen) {
    char utf8_textname[MXNAME];
    idn_result_t result;

    result = idn_encodename(IDN_LOCALCONV | IDN_DELIMMAP, from,
    utf8_textname, sizeof(utf8_textname));
    idnkit_check_result(result, "idnkit idn_encodename to utf8 failed");

    result = idn_encodename(idnoptions | IDN_LOCALMAP | IDN_NAMEPREP | IDN_IDNCONV | IDN_LENCHECK,
    utf8_textname, to, tolen);
    idnkit_check_result(result, "idnkit idn_encodename to idn failed");
    return (ISC_R_SUCCESS);
}

static isc_result_t
idn_ace_to_locale(const char *from, char *to, size_t tolen) {
    idn_result_t result;

    result = idn_decodename(IDN_DECODE_APP, from, to, tolen);
    if (result != idn_success) {
        debug("idnkit idn_decodename failed: %s",
            idn_result_tostring(result));
        return (ISC_R_FAILURE);
    }
    return (ISC_R_SUCCESS);
}
#endif /* WITH_IDNKIT */

#ifdef WITH_LIBIDN2
static void
idn_initialize(void) {
}

static isc_result_t
idn_locale_to_ace(const char *from, char *to, size_t tolen) {
    int res;
    char *tmp_str = NULL;

    res = idn2_to_ascii_lz(from, &tmp_str, IDN2_NONTRANSITIONAL|IDN2_NFC_INPUT);
    if (res == IDN2_DISALLOWED) {
        res = idn2_to_ascii_lz(from, &tmp_str, IDN2_TRANSITIONAL|IDN2_NFC_INPUT);
    }

if (res == IDN2_OK) {
/*
 * idn2_to_ascii_lz() normalizes all strings to lowerl case,
 * but we generally don't want to lowercase all input strings;
 * make sure to return the original case if the two strings
 * differ only in case
 */
if (!strcasecmp(from, tmp_str)) {
if (strlen(from) >= tolen) {
    debug("from string is too long");
    idn2_free(tmp_str);
    return ISC_R_NOSPACE;
}
    idn2_free(tmp_str);
    (void) strlcpy(to, from, tolen);
    return ISC_R_SUCCESS;
} /* check the length */
if (strlen(tmp_str) >= tolen) {
    debug("ACE string is too long");
    idn2_free(tmp_str);
    return ISC_R_NOSPACE;
}
    (void) strlcpy(to, tmp_str, tolen);
    idn2_free(tmp_str);
    return ISC_R_SUCCESS;
}
fatal("%s' is not a legal IDN name (%s), use +noidnin", from, idn2_strerror(res));
    return ISC_R_FAILURE;
}

#ifdef WITH_IDN_OUT_SUPPORT
static isc_result_t
idn_ace_to_locale(const char *from, char *to, size_t tolen) {
int res;
char *utf8_src, *tmp_str = NULL;

/*
 * We need to:
 * 1) check whether 'from' is a valid IDNA2008 name,
 * 2) if it is, output it in the current locale's character encoding.
 * Unlike idn2_to_ascii_*, idn2_to_unicode_*() functions are unable
 * to perform IDNA2008 validity checks. Thus, we need to decode any
* Punycode in 'from', check if the resulting name is a valid IDNA2008
* name, and only once we ensure it is, output that name in the current
* locale's character encoding.
*
* We could just use idn2_to_unicode_8z8z() + idn2_to_ascii_lz(), but
* then we would not be able to universally tell invalid names and
* character encoding errors apart (if the current locale uses ASCII
* for character encoding, the former function would fail even for a
* valid IDNA2008 name, as long as it contained any non-ASCII
* character). Thus, we need to take a longer route.
*
* First, convert 'from' to UTF-8, ignoring the current locale.
*/
res = idn2_to_unicode_8z8z(from, &utf8_src, 0);
if (res != IDN2_OK) {
fatal("Bad ACE string '%s' (%s), use +noidnout",
    from, idn2_strerror(res));
}

/*
* Then, check whether decoded 'from' is a valid IDNA2008 name.
*/
res = idn2_to_ascii_8z(utf8_src, NULL, IDN2_NONTRANSITIONAL);
if (res != IDN2_OK) {
fatal("'%s' is not a legal IDNA2008 name (%s), use +noidnout",
    from, idn2_strerror(res));
}

/*
* Finally, try converting the decoded 'from' into the current locale's
* character encoding.
*/
res = idn2_to_unicode_8z8z(utf8_src, &tmp_str, 0);
if (res != IDN2_OK) {
fatal("Cannot represent '%s' in the current locale (%s), ":
    "use +noidnout or a different locale",
    from, idn2_strerror(res));
}

/*
* Free the interim conversion result.
*/
idn2_free(utf8_src);

/* check the length */
if (strlen(tmp_str) >= tolen) {
deqbug("encoded ASC string is too long");
idn2_free(tmp_str);
return (ISC_R_FAILURE);
}

(void) strlcpy(to, tmp_str, tolen);
idn2_free(tmp_str);
return (ISC_R_SUCCESS);
}
#endif /* WITH_IDN_OUT_SUPPORT */
#endif /* WITH_LIBIDN2 */
#endif /* WITH_IDN_SUPPORT */

#ifdef DIG_SIGCHASE
void
print_type(dns_rdatatype_t type)
{
isc_buffer_t * b = NULL;
isc_result_t result;
isc_region_t r;

result = isc_buffer_allocate(mctx, &b, 4000);
check_result(result, "isc_buffer_allocate");

result = dns_rdatatype_totext(type, &b);
check_result(result, "print_type");

isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';

printf("%s", r.base);

isc_buffer_free(&b);
}

void
dump_database_section(dns_message_t *msg, int section)
{
dns_name_t *msg_name=NULL;
dns_rdataset_t *rdataset;

do {
   dns_message_currentname(msg, section, &msg_name);
   for (rdataset = ISC_LIST_HEAD(msg_name->list); rdataset != NULL;
      rdataset = ISC_LIST_NEXT(rdataset, link)) {
      dns_name_print(msg_name, stdout);
      printf("\n");
      print_rdataset(msg_name, rdataset);
      }
void
dump_database(void) {
dig_message_t * msg;

for (msg = ISC_LIST_HEAD(chase_message_list); msg != NULL;
    msg = ISC_LIST_NEXT(msg, link)) {
if (dns_message_firstname(msg->msg, DNS_SECTION_ANSWER)
    == ISC_R_SUCCESS)
dump_database_section(msg->msg, DNS_SECTION_ANSWER);

if (dns_message_firstname(msg->msg, DNS_SECTION_AUTHORITY)
    == ISC_R_SUCCESS)
dump_database_section(msg->msg, DNS_SECTION_AUTHORITY);

if (dns_message_firstname(msg->msg, DNS_SECTION_ADDITIONAL)
    == ISC_R_SUCCESS)
dump_database_section(msg->msg, DNS_SECTION_ADDITIONAL);
}
}

dns_rdataset_t *
search_type(dns_name_t *name, dns_rdatatype_t type, dns_rdatatype_t covers) {
dns_rdataset_t *rdataset;
dns_rdata_given_t siginfo;
dns_rdata_t sigrdata = DNS_RDATA_INIT;
isc_result_t result;

for (rdataset = ISC_LIST_HEAD(name->list); rdataset != NULL;
    rdataset = ISC_LIST_NEXT(rdataset, link)) {
if (type == dns_rdatatype_any) {
if (rdataset->type != dns_rdatatype_rrsig)
    return (rdataset);

if (rdataset->type == dns_rdatatype_rrsig) {
    result = dns_rdataset_first(rdataset);
    check_result(result, "empty rdataset");
    dns_rdataset_current(rdataset, &sigrdata);
    result = dns_rdata_tostruct(&sigrdata, &siginfo, NULL);
    check_result(result, "sigrdata tostruct siginfo");

    if ((siginfo.covered == covers) ||

(covers == dns_rdatatype_any)) {
    dns_rdata_reset(&sigrdata);
    dns_rdata_freestruct(&siginfo);
    return (rdataset);
}

dns_rdata_reset(&sigrdata);
    dns_rdata_freestruct(&siginfo);
} else if (rdataset->type == type)
    return (rdataset);
}
return (NULL); }


dns_rdataset_t *
chase_scanname_section(dns_message_t *msg, dns_name_t *name,
    dns_rdatatype_t type, dns_rdatatype_t covers,
    int section)
{
    dns_rdataset_t *rdataset;
    dns_name_t *msg_name = NULL;

    if (msg->counts[section] == 0)
        return (NULL);

    do {
        dns_message_currentname(msg, section, &msg_name);
        if (dns_name_compare(msg_name, name) == 0) {
            rdataset = search_type(msg_name, type, covers);
            if (rdataset != NULL)
                return (rdataset);
        }
        msg_name = NULL;
    } while (dns_message_nextname(msg, section) == ISC_R_SUCCESS);

    return (NULL);
}


dns_rdataset_t *
chase_scanname(dns_name_t *name, dns_rdatatype_t type, dns_rdatatype_t covers)
{
    dns_rdataset_t *rdataset = NULL;
    dig_message_t * msg;

    for (msg = ISC_LIST_HEAD(chase_message_list2); msg != NULL;
        msg = ISC_LIST_NEXT(msg, link)) {
        if (dns_message_firstname(msg->msg, DNS_SECTION_ANSWER)
            == ISC_R_SUCCESS)
{ 
    rdataset = chase_scanname_section(msg-&gt;msg, name, 
         type, covers, 
         DNS_SECTION_ANSWER); 
    if (rdataset != NULL) 
        return (rdataset); 
} 
if (dns_message_firstname(msg-&gt;msg, DNS_SECTION_AUTHORITY) 
    == ISC_R_SUCCESS) 
{ 
    rdataset = 
    chase_scanname_section(msg-&gt;msg, name, 
         type, covers, 
         DNS_SECTION_AUTHORITY); 
    if (rdataset != NULL) 
        return (rdataset); 
} 
if (dns_message_firstname(msg-&gt;msg, DNS_SECTION_ADDITIONAL) 
    == ISC_R_SUCCESS) 
{ 
    rdataset = 
    chase_scanname_section(msg-&gt;msg, name, type, 
         covers, 
         DNS_SECTION_ADDITIONAL); 
    if (rdataset != NULL) 
        return (rdataset); 
} 
return (NULL); 
}

dns_rdataset_t * 
sigchase_scanname(dns_rdatatype_t type, dns_rdatatype_t covers, 
         bool * lookedup, dns_name_t *rdata_name) 
{
    dig_lookup_t *lookup; 
    isc_buffer_t *b = NULL; 
    isc_region_t r; 
    isc_result_t result; 
    dns_rdataset_t * temp; 
    dns_rdatatype_t querytype; 

    temp = chase_scanname(rdata_name, type, covers); 
    if (temp != NULL) 
        return (temp); 

    if (*lookedup == true)
return (NULL);

lookup = clone_lookup(current_lookup, true);
lookup->trace_root = false;
lookup->new_search = true;

result = isc_buffer_allocate(mctx, &b, BUFSIZE);
check_result(result, "isc_buffer_allocate");
result = dns_name_totext(rdata_name, false, b);
check_result(result, "dns_name_totext");
isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';
strlcpy(lookup->textname, (char*)r.base, sizeof(lookup->textname));
isc_buffer_free(&b);

if (type == dns_rdatatype_rrsig)
    querytype = covers;
else
    querytype = type;

if (querytype == 0 || querytype == 255) {
    printf("Error in the queried type: %d\n", querytype);
    return (NULL);
}

lookup->rdtype = querytype;
lookup->rdtypeset = true;
lookup->qrdtype = querytype;
*lookedup = true;

ISC_LIST_APPEND(lookup_list, lookup, link);
printf("\n\nLaunch a query to find a RRset of type ");
print_type(type);
printf(" for zone: %s\n", lookup->textname);
return (NULL);
}

isc_result_t
insert_trustedkey(void *arg, dns_name_t *name, dns_rdataset_t *rdataset)
{
    isc_result_t result;
    dst_key_t *dstkey;

    UNUSED(arg);

    if (rdataset == NULL || rdataset->type != dns_rdatatype_dnskey)
        return (ISC_R_SUCCESS);
for (result = dns_rdataset_first(rdataset);
    result == ISC_R_SUCCESS;
    result = dns_rdataset_next(rdataset)) {
    dns_rdata_t rdata = DNS_RDATA_INIT;
    isc_buffer_t b;
    
    dns_rdataset_current(rdataset, &rdata);
    isc_buffer_init(&b, rdata.data, rdata.length);
    isc_buffer_add(&b, rdata.length);
    if (tk_list.nb_tk >= MAX_TRUSTED_KEY)
        return (ISC_R_SUCCESS);
    dstkey = NULL;
    result = dst_key_fromdns(name, rdata.rdclass, &b, mctx, &dstkey);
    if (result != ISC_R_SUCCESS)
        continue;
    tk_list.key[tk_list.nb_tk++] = dstkey;
}
return (ISC_R_SUCCESS);
}

void
    clean_trustedkey()
    {
    int i = 0;
    
    for (i = 0; i < MAX_TRUSTED_KEY; i++) {
        if (tk_list.key[i] != NULL) {
            dst_key_free(&tk_list.key[i]);
            tk_list.key[i] = NULL;
        } else
            break;
    }
    tk_list.nb_tk = 0;
    return;
}

char alphnum[] =
"ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789";

isc_result_t
    removetmpkey(const char *file)
    {
    char *tempnamekey = NULL;
    int tempnamekeylen;
    isc_result_t result;
    
    tempnamekeylen = strlen(file)+10;
tempnamekey = isc_mem_allocate(mctx, tempnamekeylen);
if (tempnamekey == NULL)
    return (ISC_R_NOMEMORY);

memset(tempnamekey, 0, tempnamekeylen);

strcat(tempnamekey, file);
strcat(tempnamekey,".key");
isc_file_remove(tempnamekey);

result = isc_file_remove(tempnamekey);
isc_mem_free(mctx, tempnamekey);
return (result);
}

isc_result_t
get_trusted_key(void) {
    isc_result_t result;
    const char *filename = NULL;
    dns_rdatacallbacks_t callbacks;

    result = isc_file_exists(trustedkey);
    if (result != true) {
        result = isc_file_exists("/etc/trusted-key.key");
        if (result != true) {
            result = isc_file_exists("./trusted-key.key");
            if (result != true)
                return (ISC_R_FAILURE);
            else
                filename = "/trusted-key.key";
        } else
            filename = "/etc/trusted-key.key";
    } else
        filename = trustedkey;

    if (filename == NULL) {
        printf("No trusted key\n");
        return (ISC_R_FAILURE);
    }

    dns_rdatacallbacks_init_stdio(&callbacks);
    callbacks.add = insert_trustedkey;
    return (dns_master_loadfile(filename, dns_rootname, dns_rootname,
                                current_lookup->rdclass, DNS_MASTER_NOTTL,
                                &callbacks, mctx));
}
static void
nameFromString(const char *str, dns_name_t *p_ret) {
size_t len = strlen(str);
isc_result_t result;
isc_buffer_t buffer;
dns_fixedname_t fixedname;

REQUIRE(p_ret != NULL);
REQUIRE(str != NULL);

isc_buffer_constinit(&buffer, str, len);
isc_buffer_add(&buffer, len);

dns_fixedname_init(&fixedname);
result = dns_name_fromtext(dns_fixedname_name(&fixedname), &buffer,
    dns_rootname, DNS_NAME_DOWNCASE, NULL);
check_result(result, "nameFromString");

if (dns_name_dynamic(p_ret))
    free_name(p_ret);

result = dns_name_dup(dns_fixedname_name(&fixedname), mctx, p_ret);
check_result(result, "nameFromString");
}

#if DIG_SIGCHASE_TD
isc_result_t
prepare_lookup(dns_name_t *name)
{
    isc_result_t result;
dig_lookup_t *lookup = NULL;
dig_server_t *s;
void *ptr;

    lookup = clone_lookup(current_lookup, true);
    lookup->trace_root = false;
    lookup->new_search = true;
    lookup->trace_root_sigchase = false;

    strlcpy(lookup->textname, lookup->textnamesigchase, MXNAME);

    lookup->rdtype = lookup->rdtype_sigchase;
    lookup->rdtypeset = true;
    lookup->qrdtype = lookup->qrdtype_sigchase;

    s = ISC_LIST_HEAD(lookup->my_server_list);
    while (s != NULL) {

debug("freeing server %p belonging to %p",
    s, lookup);
ptr = s;
s = ISC_LIST_NEXT(s, link);
ISC_LIST_DEQUEUE(lookup->my_server_list,
    (dig_server_t *)ptr, link);
isc_mem_free(mctx, ptr);
}

for (result = dns_rdataset_first(chase_nsrdataset);
    result == ISC_R_SUCCESS;
    result = dns_rdataset_next(chase_nsrdataset)) {
char namesstr[DNS_NAME_FORMATSIZE];
dns_rdata_ns_t ns;
dns_rdata_t rdata = DNS_RDATA_INIT;
dig_server_t * srv = NULL;
#define __FOLLOW_GLUE__
#define __FOLLOW_GLUE__
isc_buffer_t *b = NULL;
isc_region_t r;
dns_rdataset_t *rdataset = NULL;
bool t = true;
#endif
memset(namesstr, 0, DNS_NAME_FORMATSIZE);
dns_rdataset_current(chase_nsrdataset, &rdata);
result = dns_rdata_tostruct(&rdata, &ns, NULL);
check_result(result, "dns_rdata_tostruct");
#endif

result = advanced_rrsearch(&rdataset, &ns.name,
    dns_rdatatype_aaaa,
    dns_rdatatype_any, &t);
if (result == ISC_R_SUCCESS) {
for (result = dns_rdataset_first(rdataset);
    result == ISC_R_SUCCESS;
    result = dns_rdataset_next(rdataset)) {
    dns_rdata_t aaaa = DNS_RDATA_INIT;
dns_rdataset_current(rdataset, &aaaa);
    result = isc_buffer_allocate(mctx, &b, 80);
    check_result(result, "isc_buffer_allocate");
    dns_rdata_totext(&aaaa, &ns.name, b);
isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';
strlcpy(namestr, (char*)r.base,
DNS_NAME_FORMATSIZE);
isc_buffer_free(&b);
dns_rdata_reset(&aaaa);

srv = make_server(namestr, namestr);

ISC_LIST_APPEND(lookup->my_server_list,
srv, link);
}
}

rdataset = NULL;
result = advanced_rrsearch(&rdataset, &ns.name, dns_rdatatype_a,
   dns_rdatatype_any, &t);
if (result == ISC_R_SUCCESS) {
   for (result = dns_rdataset_first(rdataset);
        result == ISC_R_SUCCESS;
        result = dns_rdataset_next(rdataset)) {
      dns_rdata_t a = DNS_RDATA_INIT;
      dns_rdataset_current(rdataset, &a);

      result = isc_buffer_allocate(mctx, &b, 80);
      check_result(result, "isc_buffer_allocate");

      dns_rdata_totext(&a, &ns.name, b);
      isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';
strlcpy(namestr, (char*)r.base,
DNS_NAME_FORMATSIZE);
isc_buffer_free(&b);
dns_rdata_reset(&a);
printf("ns name: \n", namestr);

srv = make_server(namestr, namestr);

ISC_LIST_APPEND(lookup->my_server_list,
srv, link);
}
}
#else

dns_name_format(&ns.name, namestr, sizeof(namestr));
printf("ns name: ");
Open Source Used In MSX SD-WAN Service Pack 3.9.0

```c
        dns_name_print(&ns.name, stdout);
        printf("\n");
        srv = make_server(namestr, namestr);

        ISC_LIST_APPEND(lookup->my_server_list, srv, link);

        #endif
        dns_rdata_freeestruct(&ns);
        dns_rdata_reset(&rdata);

    }

    ISC_LIST_APPEND(lookup_list, lookup, link);
    printf("\nLaunch a query to find a RRset of type ");
    print_type(lookup->rdtype);
    printf(" for zone: %s", lookup->textname);
    printf(" with nameservers:" );
    printf("\n");
    print_rdataset(name, chase_nsrdataset);
    return (ISC_R_SUCCESS);
}

isc_result_t
child_of_zone(dns_name_t * name, dns_name_t * zone_name,
              dns_name_t * child_name)
{
    dns_namereln_t name_reln;
    int orderp;
    unsigned int nlabelsp;

    name_reln = dns_name_fullcompare(name, zone_name, &orderp, &nlabelsp);
    if (name_reln != dns_namereln_subdomain ||
        dns_name_countlabels(name) < dns_name_countlabels(zone_name) + 1) {
        printf("\n;; ERROR : ");
        dns_name_print(name, stdout);
        printf(" is not a subdomain of: ");
        dns_name_print(zone_name, stdout);
        printf(" FAILED\n\n");
        return (ISC_R_FAILURE);
    }

    dns_name_getlabelsequence(name,
                               dns_name_countlabels(name) -
                               dns_name_countlabels(zone_name) -1,
                               dns_name_countlabels(zone_name) +1,
                               child_name);
    return (ISC_R_SUCCESS);
```
isc_result_t grandson_pb_test(dns_name_t *zone_name, dns_rdataset_t *sigrdataset) {
    dns_rdata_sig_t siginfo;
    dns_rdataset_t mysigrdataset;
    isc_result_t result;

    dns_rdataset_init(&mysigrdataset);
    dns_rdataset_clone(sigrdataset, &mysigrdataset);

    result = dns_rdataset_first(&mysigrdataset);
    check_result(result, "empty RRSIG dataset");

    do {
        dns_rdata_t sigrdata = DNS_RDATA_INIT;
        dns_rdataset_current(&mysigrdataset, &sigrdata);

        result = dns_rdata_tostruct(&sigrdata, &siginfo, NULL);
        check_result(result, "sigrdata_tostruct siginfo");

        if (dns_name_compare(&siginfo.signer, zone_name) == 0) {
            result = ISC_R_SUCCESS;
            goto cleanup;
        }
    } while (dns_rdataset_next(&mysigrdataset) == ISC_R_SUCCESS);

    result = ISC_R_FAILURE;
}

isc_result_t initialization(dns_name_t *name) {
    isc_result_t   result;
    bool t = true;

    chase_nsrdataset = NULL;
    result = advanced_rrsearch(&chase_nsrdataset, name, dns_rdatatype_ns,
                                dns_rdatatype_any, &t);
    if (result != ISC_R_SUCCESS) {
        printf("\n;; NS RRset is missing to continue validation:", ISC_R_FAILURE);
        " FAILED\n\n";
    }
return (ISC_R_FAILURE);
}
INSIST(chase_nsrdataset != NULL);
prepare_lookup(name);

dup_name(name, &chase_current_name);

return (ISC_R_SUCCESS);
}
#endif

void
print_rdataset(dns_name_t *name, dns_rdataset_t *rdataset)
{
isc_buffer_t *b = NULL;
isc_result_t result;
isc_region_t r;

result = isc_buffer_allocate(mctx, &b, 9000);
check_result(result, "isc_buffer_allocate");

dighost_printrdataset(name, rdataset, b);

isc_buffer_usedregion(b, &r);
r.base[r.length] = '\0';

printf("%s\n", r.base);
isc_buffer_free(&b);
}

void
dup_name(dns_name_t *source, dns_name_t *target) {
isc_result_t result;

if (dns_name_dynamic(target))
free_name(target);
result = dns_name_dup(source, mctx, target);
check_result(result, "dns_name_dup");
}

void
free_name(dns_name_t *name) {

dns_name_free(name, mctx);
dns_name_init(name, NULL);
}
/
/*
* take a DNSKEY RRset and the RRSIG RRset corresponding in parameter
* return ISC_R_SUCCESS if the DNSKEY RRset contains a trusted_key
* and the RRset is valid
* return ISC_R_NOTFOUND if not contains trusted key
* or if the RRset isn't valid
* return ISC_R_FAILURE if problem
* */
isc_result_t contains_trusted_key(dns_name_t *name, dns_rdataset_t *rdataset,
    dns_rdataset_t *sigrdataset)
{
    dns_rdataset_t myrdataset;
    dst_key_t *dnsseckey = NULL;
    int i;
    isc_result_t result;
    if (name == NULL || rdataset == NULL)
        return (ISC_R_FAILURE);

dns_rdataset_init(&myrdataset);
    dns_rdataset_clone(rdataset, &myrdataset);
    result = dns_rdataset_first(&myrdataset);
    check_result(result, "empty rdataset");
    do {
        dns_rdata_t rdata = DNS_RDATA_INIT;

            dns_rdataset_current(&myrdataset, &rdata);
            INSIST(rdata.type == dns_rdatatype_dnskey);
            result = dns_dnssec_keyfromrdata(name, &rdata,
                mctx, &dnsseckey);
            check_result(result, "dns_dnssec_keyfromrdata");

                for (i = 0; i < tk_list.nb_tk; i++) {
                    if (dst_key_compare(tk_list.key[i], dnsseckey)
                        == true) {
                    dns_rdata_reset(&rdata);

                        printf(";; Ok, find a Trusted Key in the ",
                            "DNSKEY RRset: %d\n",
                            dst_key_id(dnsseckey));
                    result = sigchase_verify_sig_key(name, rdataset,
result = ISC_R_NOTFOUND;

cleanup:
if (dnsseckey != NULL)
dst_key_free(&dnsseckey);
dns_rdataset_disassociate(&myrdataset);

return (result);
}

isc_result_t
sigchase_verify_sig(dns_name_t *name, dns_rdataset_t *rdataset,
dns_rdataset_t *keyrdataset,
dns_rdataset_t *sigrdataset)
{
dns_rdataset_t mykeyrdataset;
dst_key_t *dnsseckey = NULL;
isc_result_t result;

dns_rdataset_init(&mykeyrdataset);
dns_rdataset_clone(keyrdataset, &mykeyrdataset);

result = dns_rdataset_first(&mykeyrdataset);
check_result(result, "empty DNSKEY dataset");

do {

dns_rdata_t keyrdata = DNS_RDATA_INIT;

dns_rdataset_current(&mykeyrdataset, &keyrdata);
INSIST(keyrdata.type == dns_rdatatype_dnskey);

result = dns_dnssec_keyfromrdata(name, &keyrdata, mctx, &dnsseckey);
check_result(result, "dns_dnssec_keyfromrdata");

result = sigchase_verify_sig_key(name, rdataset, dnsseckey, sigrdataset);
if (result == ISC_R_SUCCESS)
goto cleanup;
dst_key_free(&dnsseckey);
} while (dns_rdataset_next(&mykeyrdataset) == ISC_R_SUCCESS);

result = ISC_R_NOTFOUND;

cleanup:
if (dnsseckey != NULL)
dst_key_free(&dnsseckey);
dns_rdataset_disassociate(&mykeyrdataset);

return (result);
}

isc_result_t
sigchase_verify_sig_key(dns_name_t *name, dns_rdataset_t *rdataset,
dst_key_t *dnsseckey, dns_rdataset_t *sigrdataset)
{

dns_rdata_sig_t siginfo;
dns_rdataset_t myrdataset;
dns_rdataset_t mysigrdataset;
isc_result_t result;

dns_rdataset_init(&myrdataset);
dns_rdataset_clone(rdataset, &myrdataset);
dns_rdataset_init(&mysigrdataset);
dns_rdataset_clone(sigrdataset, &mysigrdataset);

result = dns_rdataset_first(&mysigrdataset);
check_result(result, "empty RRSIG dataset");

do {

dns_rdata_t sigrdata = DNS_RDATA_INIT;

dns_rdataset_current(&mysigrdataset, &sigrdata);

result = dns_rdata_tostruct(&sigrdata, &siginfo, NULL);
check_result(result, "sigrdata tostruct siginfo");

/*
 * Test if the id of the DNSKEY is
 * the id of the DNSKEY signer's
 */
if (siginfo.keyid == dst_key_id(dnsseckey)) {

result = dns_rdataset_first(&myrdataset);
check_result(result, "empty DS dataset");

result = dns_dnssec_verify(name, &myrdataset, dnsseckey,
false, mctx, &sigdata);

printf(“;; VERIFYING ”);
print_type(rdataset->type);
printf(“ RRset for ”);
dns_name_print(name, stdout);
printf(” with DNSKEY:%d: %s\n”, dst_key_id(dnsseckey),
        isc_result_totext(result));

if (result == ISC_R_SUCCESS)
going to cleanup;
}
} while (dns_rdataset_next(&mysigrdataset) == ISC_R_SUCCESS);

result = ISC_R_NOTFOUND;

cleanup:
dns_rdataset_disassociate(&myrdataset);
dns_rdataset_disassociate(&mysigrdataset);

return (result);
}

isc_result_t
sigchase_verify_ds(dns_name_t *name, dns_rdataset_t *keyrdataset,
        dns_rdataset_t *dsrdataset)
{
dns_rdata_ds_t dsinfo;
dns_rdataset_t mydsrdataset;
dns_rdataset_t mykeyrdataset;
dst_key_t *dnsseckey = NULL;
isc_result_t result;
unsigned char dsbuf[DNS_DS_BUFFERSIZE];

dns_rdataset_init(&mydsrdataset);
dns_rdataset_clone(dsrdataset, &mydsrdataset);
dns_rdataset_init(&mykeyrdataset);
dns_rdataset_clone(keyrdataset, &mykeyrdataset);

result = dns_rdataset_first(&mydsrdataset);
check_result(result, ”empty DSset dataset”);
do {
dns_rdata_t dsrdata = DNS_RDATA_INIT;

dns_rdataset_current(&mydsrdataset, &dsrdata);

result = dns_rdata_tostruct(&dsrdata, &dsinfo, NULL);
check_result(result, "dns_rdata_tostruct for DS");

result = dns_rdataset_first(&mykeyrdataset);
check_result(result, "empty KEY dataset");

do {
    dns_rdata_t keyrdata = DNS_RDATA_INIT;
    dns_rdataset_current(&mykeyrdataset, &keyrdata);
    INSIST(keyrdata.type == dns_rdatatype_dnskey);
    result = dns_dnssec_keyfromrdata(name, &keyrdata, mctx, &dnsseckey);
    check_result(result, "dns_dnssec_keyfromrdata");

    /*
     * Test if the id of the DNSKEY is the
     * id of DNSKEY referenced by the DS
     */
    if (dsinfo.key_tag == dst_key_id(dnsseckey)) {
        dns_rdata_t newdsrdata = DNS_RDATA_INIT;
        result = dns_ds_buildrdata(name, &keyrdata, dsinfo.digest_type, dsbuf, &newdsrdata);
        dns_rdata_freestruct(&dsinfo);
        if (result != ISC_R_SUCCESS) {
            printf("Oops: impossible to build a new DS rdata\n");
            goto cleanup;
        }
        if (dns_rdata_compare(&dsrdata, &newdsrdata) == 0) {
            printf(":: OK a DS valids a DNSKEY in the RRset\n");
            printf(":: Now verify that this DNSKEY validates the DNSKEY RRset\n");
            result = sigchase_verify_sig_key(name, keyrdataset, dnsseckey, chase_sigkeyrdataset);
            if (result == ISC_R_SUCCESS) goto cleanup;
        }
    }
}
} else {
    printf(";; This DS is NOT the DS for\n";
        " the chasing KEY: FAILED\n");
}
}
dst_key_free(&dnsseckey);
} while (dns_rdataset_next(&mykeyrdataset) == ISC_R_SUCCESS);
} while (dns_rdataset_next(&mydsrdataset) == ISC_R_SUCCESS);

result = ISC_R_NOTFOUND;

cleanup:
if (dnsseckey != NULL)
    dst_key_free(&dnsseckey);
    dns_rdataset_disassociate(&mydsrdataset);
    dns_rdataset_disassociate(&mykeyrdataset);

return (result);
}

/*
 * take a pointer on a rdataset in parameter and try to resolv it.
 * the searched rrset is a rrset on 'name' with type 'type'
 * (and if the type is a rrsig the signature cover 'covers').
 * the lookedup is to known if you have already done the query on the net.
 * ISC_R_SUCCESS: if we found the rrset
 * ISC_R_NOTFOUND: we do not found the rrset in cache
 * and we do a query on the net
 * ISC_R_FAILURE: rrset not found
 */
isc_result_t
advanced_rrsearch(dns_rdataset_t **rdataset, dns_name_t *name,
    dns_rdatatype_t type, dns_rdatatype_t covers,
    bool *lookedup)
{
    bool tmplevelokedup;

    INSIST(rdataset != NULL);

    if (*rdataset != NULL)
        return (ISC_R_SUCCESS);

    tmplevelokedup = *lookedup;
    if ((*rdataset = sigchase_scannome(type, covers,
        lookedup, name)) == NULL) {
        if (tmplevelokedup)
            return (ISC_R_FAILURE);
return (ISC_R_NOTFOUND);
*
lookedup = false;
return (ISC_R_SUCCESS);
*

#if DIG_SIGCHASE_TD

void
sigchase_td(dns_message_t *msg)
{
isc_result_t result;
dns_name_t *name = NULL;
bool have_answer = false;
bool t = true;

if (msg->rcode != dns_rcode_noerror &&
    msg->rcode != dns_rcode_nxdomain) {
    char buf[20];
    isc_buffer_t b;

    isc_buffer_init(&b, buf, sizeof(buf));
    result = dns_rcode_totext(msg->rcode, &b);
    check_result(result, "dns_rcode_totext failed");
    printf("error response code %.*s\n",
             (int)isc_buffer_usedlength(&b), buf);
    error_message = msg;
    return;
}

if ((result = dns_message_firstname(msg, DNS_SECTION_ANSWER)) == ISC_R_SUCCESS) {
dns_message_currentname(msg, DNS_SECTION_ANSWER, &name);
if (current_lookup->trace_root_sigchase) {
    initialization(name);
    return;
}
    have_answer = true;
} else {
    if (!current_lookup->trace_root_sigchase) {
        result = dns_message_firstname(msg,
            DNS_SECTION_AUTHORITY);
        if (result != ISC_R_SUCCESS) {
            printf("no answer or authority section\n");
            error_message = msg;
            return;
        }
    }
}
#endif
dns_message_currentname(msg, DNS_SECTION_AUTHORITY, &name);
chase_nsrdataset = chase_scanname_section(msg, name,
dns_rdatatype_ns,
dns_rdatatype_any,
DNS_SECTION_AUTHORITY);
dup_name(name, &chase_authority_name);
if (chase_nsrdataset != NULL) {
    have_delegation_ns = true;
    printf("no response but there is a delegation"
        " in authority section: ");
dns_name_print(name, stdout);
    printf("\n");
} else {
    printf("no response and no delegation in "
        "authority section but a reference"
        " to: ");
dns_name_print(name, stdout);
    printf("\n");
    error_message = msg;
}
else {
    printf(";; NO ANSWERS: %s\n",
        isc_result_totext(result));
    free_name(&chase_name);
clean_trustedkey();
return;
}

if (have_answer) {
chase_rdataset = chase_scanname_section(msg, &chase_name,
current_lookup
    ->rdtype_sigchase,
dns_rdatatype_any,
    DNS_SECTION_ANSWER);
if (chase_rdataset != NULL)
    have_response = true;
}

result = advanced_rrsearch(&chase_keyrdataset,
    &chase_current_name,
    dns_rdatatype_dnskey,
    dns_rdatatype_any,
    &chase_keylookedup);
if (result == ISC_R_FAILURE) {
    printf("\n;; DNSKEY is missing to continue validation:");
    " FAILED\n\n";
    goto cleanandgo;
}
if (result == ISC_R_NOTFOUND)
    return;
INSIST(chase_keyrdataset != NULL);
printf("\n;; DNSKEYset:\n");
print_rdataset(&chase_current_name, chase_keyrdataset);

result = advanced_rsearch(&chase_sigkeyrdataset,
                          &chase_current_name,
                          dns_rdatatype_rrsig,
                          dns_rdatatype_dnskey,
                          &chase_sigkeylookedup);
if (result == ISC_R_FAILURE) {
    printf("\n;; RRSIG of DNSKEY is missing to continue validation:");
    " FAILED\n\n";
    goto cleanandgo;
}
if (result == ISC_R_NOTFOUND)
    return;
INSIST(chase_sigkeyrdataset != NULL);
printf("\n;; RRSIG of the DNSKEYset:\n");
print_rdataset(&chase_current_name, chase_sigkeyrdataset);

if (!chase_dslookedup && !chase_nslookedup) {
    if (!delegation_follow) {
        result = contains_trusted_key(&chase_current_name,
                                       chase_keyrdataset,
                                       chase_sigkeyrdataset);
    } else {
        INSIST(chase_dsrdataset != NULL);
        INSIST(chase_sigdsrdataset != NULL);
        result = sigchase_verify_ds(&chase_current_name,
                                    chase_keyrdataset,
                                    chase_dsrdataset);
    }
}
if (result != ISC_R_SUCCESS) {
    printf("\n;; chain of trust can't be validated:");
    " FAILED\n\n";
    goto cleanandgo;
} else {
    chase_dsrdataset = NULL;
}
chase_sigdsrdataset = NULL;
}
}

if (have_response || (!have_delegation_ns && !have_response)) {
/* test if it's a grand father case */

if (have_response) {
    result = advanced_rsearch(&chase_sigdsrdataset,
                              &chase_name,
                              dns_rdatatype_rrsig,
                              current_lookup
                                          ->rdtype_sigchase,
                              &t);
    if (result == ISC_R_FAILURE) {
        printf(";; RRset is missing to continue"
               " validation SHOULD NOT APPEND:";
               " FAILED\n\n");
        goto cleanandgo;
    }
} else {
    result = advanced_rsearch(&chase_sigdsrdataset,
                              &chase_authority_name,
                              dns_rdatatype_rrsig,
                              dns_rdatatype_any,
                              &t);
    if (result == ISC_R_FAILURE) {
        printf(";; RRSIG is missing to continue"
               " validation SHOULD NOT APPEND:";
               " FAILED\n\n");
        goto cleanandgo;
    }
}
result = grandfather_pb_test(&chase_current_name,
                            chase_sigdsrdataset);
if (result != ISC_R_SUCCESS) {
    dns_name_t tmp_name;

    printf(";; We are in a Grand Father Problem:";
           " See 2.2.1 in RFC 3658\n\n");
    chase_rdataset = NULL;
    chase_sigdsrdataset = NULL;
    have_response = false;
    have_delegation_ns = false;

    dns_name_init(&tmp_name, NULL);
    result = child_of_zone(&chase_name, &chase_current_name,
                           &tmp_name, &tmp_name,
                           &tmp_name, &tmp_name,
                           &t);
    if (result != ISC_R_SUCCESS) {
        printf(";; Zone is missing to continue"
               " validation SHOULD NOT APPEND:";
               " FAILED\n\n");
        goto cleanandgo;
    }
if (result != ISC_R_SUCCESS)
goto cleanandgo;
if (dns_name_dynamic(&chase_authority_name))
free_name(&chase_authority_name);
dup_name(&tmp_name, &chase_authority_name);
printf(";; and we try to continue chain of trust"
  " validation of the zone: ");
dns_name_print(&chase_authority_name, stdout);
printf("\n");
have_delegation_ns = true;
} else {
if (have_response)
goto finalstep;
else
chase_sigrdataset = NULL;
}

if (have_delegation_ns) {
chase_nsrdataset = NULL;
result = advanced_rrsearch(&chase_nsrdataset,
   &chase_authority_name,
   dns_rdatatype_ns,
   dns_rdatatype_any,
   &chase_nslookedup);
if (result == ISC_R_FAILURE) {
printf(";;NSset is missing to continue validation:" 
   " FAILED\n\n");
goto cleanandgo;
}
if (result == ISC_R_NOTFOUND) {
return;
}
INSIST(chase_nsrdataset != NULL);

result = advanced_rrsearch(&chase_dsrdataset,
   &chase_authority_name,
   dns_rdatatype_ds,
   dns_rdatatype_any,
   &chase_dslookedup);
if (result == ISC_R_FAILURE) {
printf(";; DSset is missing to continue validation:" 
   " FAILED\n\n");
goto cleanandgo;
}
if (result == ISC_R_NOTFOUND) {
return;
INSIST(chase_dsrdataset != NULL);
printf("\n;; DSset:"");
print_rdataset(&chase_authority_name , chase_dsrdataset);

result = advanced_rrsearch(&chase_sigdsrdataset,
   &chase_authority_name,
   dns_rdatatype_rrsig,
   dns_rdatatype_ds,
   &t);
if (result != ISC_R_SUCCESS) {
   printf("\n;; DSset is missing to continue validation:" 
         " FAILED\n\n");
goto cleanandgo;
}
printf("\n;; RRSIGset of DSset"");
print_rdataset(&chase_authority_name, chase_sigdsrdataset);
INSIST(chase_sigdsrdataset != NULL);

result = sigchase_verify_sig(&chase_authority_name,
   chase_dsrdataset,
   chase_keyrdataset,
   chase_sigdsrdataset);
if (result != ISC_R_SUCCESS) {
   printf("\n;; Impossible to verify the DSset:" 
         " FAILED\n\n");
goto cleanandgo;
}
chase_keyrdataset = NULL;
chase_sigkeyrdataset = NULL;

prepare_lookup(&chase_authority_name);

have_response = false;
have_delegation_ns = false;
deviation_follow = true;
error_message = NULL;
dup_name(&chase_authority_name, &chase_current_name);
free_name(&chase_authority_name);
return;
}

if (error_message != NULL) {
   dns_rdataset_t *rdataset;
   dns_rdataset_t *sigrdataset;
   dns_name_t rdata_name;
   isc_result_t ret = ISC_R_FAILURE:

   ...
dns_name_init(&rdata_name, NULL);
result = prove_nx(error_message, &chase_name,
current_lookup->rdclass_sigchase,
current_lookup->rdtype_sigchase, &rdata_name,
&rdataset, &sigrdataset);
if (rdataset == NULL || sigrdataset == NULL ||
dns_name_countlabels(&rdata_name) == 0) {
  printf("\n; Impossible to verify the non-existence,"
        " the NSEC RRset can't be validated:"
        " FAILED\n\n");
goto cleanandgo;
}
ret = sigchase_verify_sig(&rdata_name, rdataset,
  chase_keyrdataset,
sigrdataset);
if (ret != ISC_R_SUCCESS) {
  free_name(&rdata_name);
  printf("\n; Impossible to verify the NSEC RR to prove"
        " the non-existence : FAILED\n\n");
goto cleanandgo;
} else {
  free_name(&rdata_name);
  if (result != ISC_R_SUCCESS) {
    printf("\n; Impossible to verify the non-existence:"
          " FAILED\n\n");
goto cleanandgo;
  } else {
    printf("\n; OK the query doesn't have response but"
          " we have validate this fact : SUCCESS\n\n");
goto cleanandgo;
  }
}

finalstep :
result = advanced_rrsearch(&chase_rdataset, &chase_name,
current_lookup->rdtype_sigchase,
dns_rdatatype_any,
&t);
if (result == ISC_R_FAILURE) {
printf(";; RRsig of RRset is missing to continue validation" 
" SHOULD NOT APPEND: FAILED\n\n")
goto cleanandgo;
}
result = sigchase_verify_sig(&chase_name, chase_rdataset,
    chase_keyrdataset,
    chase_sigrdataset);
if (result != ISC_R_SUCCESS) {
printf("\n;; Impossible to verify the RRset : FAILED\n\n");
/*
printf("RRset:\n");
print_rdataset(&chase_name, chase_rdataset);
printf("DNSKEYset:\n");
print_rdataset(&chase_name, chase_keyrdataset);
printf("RRSIG of RRset:\n");
print_rdataset(&chase_name, chase_sigrdataset);
printf("\n");
*/
goto cleanandgo;
} else {
printf("\n;; The Answer:\n");
print_rdataset(&chase_name, chase_rdataset);
printf("\n;; FINISH : we have validate the DNSSEC chain" 
" of trust: SUCCESS\n\n")
}
goto cleanandgo;
}
#endif

#if DIG_SIGCHASE_BU

isc_result_t
getneededrr(dns_message_t *msg)
{
    isc_result_t result;
    dns_name_t *name = NULL;
    dns_rdata_t sigrdata = DNS_RDATA_INIT;
    dns_rdata_sig_t siginfo;
    bool t = true;

if ((result = dns_message_firstname(msg, DNS_SECTION_ANSWER)) 
!= ISC_R_SUCCESS) {
printf(";; NO ANSWERS: %s\n", isc_result_totext(result));
}
if (chase_name.ndata == NULL)
return (ISC_R_ADDRNOTAVAIL);
} else {
    dns_message_currentname(msg, DNS_SECTION-answer, &name);
}

/* What do we chase? */
if (chase_rdataset == NULL) {
    result = advanced_rrsearch(&chase_rdataset, name,
        dns_rdatat-type-any,
        dns_rdatat-type-any, &t);
    if (result != ISC_R_SUCCESS) {
        printf("\n;; No Answers: Validation FAILED\n\n");
return (ISC_R_NOTFOUND);
    }
    dup_name(name, &chase_name);
    printf("\n;; RRset to chase:
");
    print_rdataset(&chase_name, chase_rdataset);
}
INSIST(chase_rdataset != NULL);

if (chase_sigrdataset == NULL) {
    result = advanced_rrsearch(&chase_sigrdataset, name,
        dns_rdatat-type-rrsig,
        chase_rdataset->type,
        &chase_siglookedup);
    if (result == ISC_R_FAILURE) {
        printf("\n;; RRSIG is missing for continue validation:""\n"" FAILED\n\n");
        if (dns_name_dynamic(&chase_name))
            free_name(&chase_name);
        return (ISC_R_NOTFOUND);
    }
    if (result == ISC_R_NOTFOUND) {
        return (ISC_R_NOTFOUND);
    }
    printf("\n;; RRSIG of the RRset to chase:\n");
    print_rdataset(&chase_name, chase_sigrdataset);
}
INSIST(chase_sigrdataset != NULL);

/* first find the DNSKEY name */
result = dns_rdataset_first(chase_sigrdataset);
check_result(result, "empty RRSIG dataset");
    dns_rdataset_current(chase_sigrdataset, &sigrdata);
result = dns_rdata_tostruct(&sigrdata, &siginfo, NULL);
check_result(result, "sigrdata tostruct siginfo");
dup_name(&siginfo.signer, &chase_signname);
dns_rdata_freestruct(&siginfo);
dns_rdata_reset(&sigrddata);

/* Do we have a key? */
if (chase_keyrdataset == NULL) {
    result = advanced_rrsearch(&chase_keyrdataset,
        &chase_signname,
        dns_rdatatype_dnskey,
        dns_rdatatype_any,
        &chase_keylookedup);
    if (result == ISC_R_FAILURE) {
        printf(";; DNSKEY is missing to continue validation:"
            " FAILED\n\n");
        free_name(&chase_signname);
        if (dns_name_dynamic(&chase_name))
            free_name(&chase_name);
        return (ISC_R_NOTFOUND);
    }
    if (result == ISC_R_NOTFOUND) {
        free_name(&chase_signname);
        return (ISC_R_NOTFOUND);
    }
    printf(";; DNSKEYset that signs the RRset to chase:\n");
    print_rdataset(&chase_signname, chase_keyrdataset);
    INSIST(chase_keyrdataset != NULL);
}

if (chase_sigkeyrdataset == NULL) {
    result = advanced_rrsearch(&chase_sigkeyrdataset,
        &chase_signname,
        dns_rdatatype_rrsig,
        dns_rdatatype_dnskey,
        &chase_sigkeylookedup);
    if (result == ISC_R_FAILURE) {
        printf(";; RRSIG for DNSKEY is missing  to continue" " validation : FAILED\n\n"");
        free_name(&chase_signname);
        if (dns_name_dynamic(&chase_name))
            free_name(&chase_name);
        return (ISC_R_NOTFOUND);
    }
    if (result == ISC_R_NOTFOUND) {
        free_name(&chase_signname);
        return (ISC_R_NOTFOUND);
    }
    printf(";; RRSIG of the DNSKEYset that signs the "}
"RRset to chase:\n";
print_rdataset(&chase_sigrname, chase_sigkeyrdataset);
}
INSIST(chase_sigkeyrdataset != NULL);

if (chase_dsrdataset == NULL) {
result = advanced_rrsearch(&chase_dsrdataset, &chase_sigrname,
    dns_rdatatype_ds, dns_rdatatype_any,
    &chase_dslookedup);
if (result == ISC_R_FAILURE) {
printf("\n;; WARNING There is no DS for the zone: ");
dns_name_print(&chase_sigrname, stdout);
printf("\n");
} 
if (result == ISC_R_NOTFOUND) {
free_name(&chase_sigrname);
return (ISC_R_NOTFOUND);
}
if (chase_dsrdataset != NULL) {
printf("\n;; DSset of the DNSKEYset\n");
print_rdataset(&chase_sigrname, chase_dsrdataset);
}
}

if (chase_dsrdataset != NULL) {
/*
 * if there is no RRSIG of DS,
 * we don't want to search on the network
 */
result = advanced_rrsearch(&chase_sigsrdataset,
    &chase_sigrname,
    dns_rdatatype_rrsig,
    dns_rdatatype_ds, &t);
if (result == ISC_R_FAILURE) {
printf(";; WARNING : NO RRSIG DS : RRSIG DS"
    " should come with DS\n");
/*
 * We continue even the DS couldn't be validated,
 * because the DNSKEY could be a Trusted Key.
 */
chase_dsrdataset = NULL;
} else {
printf("\n;; RRSIG of the DSset of the DNSKEYset\n");
print_rdataset(&chase_sigrname, chase_sigsrdataset);
}
}
return (1);
void sigchase_bu(dns_message_t *msg)
{
    isc_result_t result;
    int ret;

    if (tk_list.nb_tk == 0) {
        result = get_trusted_key();
        if (result != ISC_R_SUCCESS) {
            printf("No trusted keys present\n");
            return;
        }
    }

    ret = getneededrr(msg);
    if (ret == ISC_R_NOTFOUND)
        return;

    if (ret == ISC_R_ADDRNOTAVAIL) {
        /* We have no response */
        dns_rdataset_t *rdataset;
        dns_rdataset_t *sigrdataset;
        dns_name_t rdata_name;
        dns_name_t query_name;
        dns_name_init(&query_name, NULL);
        dns_name_init(&rdata_name, NULL);
        nameFromString(current_lookup->textname, &query_name);
        result = prove_nx(msg, &query_name, current_lookup->rdclass,
                          current_lookup->rdtype, &rdata_name,
                          &rdataset, &sigrdataset);
        free_name(&query_name);
        if (rdataset == NULL || sigrdataset == NULL ||
            dns_name_countlabels(&rdata_name) == 0) {
            printf(";; Impossible to verify the Non-existence,
                    the NSEC RRset can't be validated: 
                    FAILED\n\n");
            clean_trustedkey();
            return;
        }
    }
}
if (result != ISC_R_SUCCESS) {
    printf("\n No Answers and impossible to prove the"
    " unsecurity : Validation FAILED\n\n");
clean_trustedkey();
return;
}
printf(";; An NSEC prove the non-existence of a answers,"
    " Now we want validate this NSEC\n");
dup_name(&rdata_name, &chase_name);
free_name(&rdata_name);
chase_rdataset = rdataset;
chase_sigdataset = sigdataset;
chase_keyrdataset = NULL;
chase_sigrdataset = NULL;
chase_dsrdataset = NULL;
chase_sigdsrdataset = NULL;
chase_dsignup = false;
chase_keylookedup = false;
chase_dslookedup = false;
chase_sigdslookedup = false;
sigchase(msg);
clean_trustedkey();
return;
}

printf("\n\n\n;; WE HAVE MATERIAL, WE NOW DO VALIDATION\n");

result = sigchase_verify_sig(&chase_name, chase_rdataset,
    chase_keyrdataset,
    chase_sigdataset);
if (result != ISC_R_SUCCESS) {
    free_name(&chase_name);
    free_name(&chase_signame);
    printf(";; No DNSKEY is valid to check the RRSIG"
    " of the RRsset: FAILED\n");
clean_trustedkey();
return;
}
printf(";; OK We found DNSKEY (or more) to validate the RRset\n");

result = contains_trusted_key(&chase_signame, chase_keyrdataset,
    chase_sigkeyrdataset);
if (result == ISC_R_SUCCESS) {
    free_name(&chase_name);
    free_name(&chase_signame);
    printf("\n;; Ok this DNSKEY is a Trusted Key,"
" DNSSEC validation is ok: SUCCESS"

); clean_trustedkey();
return;

} printf(";; Now, we are going to validate this DNSKEY by the DS"
);

if (chase_dsrdataset == NULL) {
free_name(&chase_name);
free_name(&chase_signame);
printf(";; the DNSKEY isn't trusted-key and there isn't"
" DS to validate the DNSKEY: FAILED"
);
clean_trustedkey();
return;
}

result = sigchase_verify_ds(&chase_signame, chase_keyrdataset,
chase_dsrdataset);
if (result != ISC_R_SUCCESS) {
free_name(&chase_signame);
free_name(&chase_name);
printf(";; ERROR no DS validates a DNSKEY in the"
" DNSKEY RRset: FAILED"
);
clean_trustedkey();
return;
} else
printf(";; OK this DNSKEY (validated by the DS) validates"
" the RRset of the DNSKEYs, thus the DNSKEY validates"
" the RRset"
);
INSIST(chase_sigsdsrdataset != NULL);

dup_name(&chase_signame, &chase_name);
free_name(&chase_signame);
chase_rdataset = chase_dsrdataset;
chase_sigrdataset = chase_sigsdsrdataset;
chase_keyrdataset = NULL;
chase_sigkeyrdataset = NULL;
chase_dsrdataset = NULL;
chase_sigsdsrdataset = NULL;
chase_sigsdslookedup = chase_keylookedup = false;
chase_dslookedup = chase_sigsdslookedup = false;

printf(";; Now, we want to validate the DS : recursive call"
);
sigchase(msg);
return;

#endif
void
sigchase(dns_message_t *msg) {
#if DIG_SIGCHASE_TD
if (current_lookup->do_topdown) {
    sigchase_td(msg);
    return;
}
#endif
#if DIG_SIGCHASE_BU
    sigchase_bu(msg);
    return;
#endif
}

/*
 * return 1  if name1  <  name2
 *  0  if name1  == name2
 * -1 if name1  >  name2
 * and -2 if problem
 */
int
inf_name(dns_name_t *name1, dns_name_t *name2) {
    dns_label_t  label1;
    dns_label_t  label2;
    unsigned int nblabel1;
    unsigned int nblabel2;
    int min_lum_label;
    int i;
    int ret = -2;

    nblabel1 = dns_name_countlabels(name1);
    nblabel2 = dns_name_countlabels(name2);

    if (nblabel1 >= nblabel2)
        min_lum_label = nblabel2;
    else
        min_lum_label = nblabel1;

    for (i=1 ; i < min_lum_label; i++) {
        dns_name_getlabel(name1, nblabel1 -1 - i, &label1);
        dns_name_getlabel(name2, nblabel2 -1 - i, &label2);
        if ((ret = isc_region_compare(&label1, &label2)) != 0) {
            if (ret < 0)
                return (-1);
            else if (ret > 0)
return (1);
}
}
if (nblabell == nblabel2)
return (0);

if (nblabell < nblabel2)
return (-1);
else
return (1);
}

/**
 *
 *
 */
isc_result_t
prove_nx_domain(dns_message_t *msg,
dns_name_t *name,
dns_name_t *rdata_name,
dns_rdataset_t **rdataset,
dns_rdataset_t **sigrdataset)
{
isc_result_t ret = ISC_R_FAILURE;
isc_result_t result = ISC_R_NOTFOUND;
dns_rdataset_t *nsecset = NULL;
dns_rdataset_t *siginsecset = NULL;
dns_rdata_t nsec = DNS_RDATA_INIT;
dns_name_t *nsecname;
dns_rdata_nsec_t nsecstruct;

if ((result = dns_message_firstname(msg, DNS_SECTION_AUTHORITY))
!= ISC_R_SUCCESS) {
    printf(";; nothing in authority section : impossible to"
    " validate the non-existence : FAILED\n");
    return (ISC_R_FAILURE);
}

do {
    nsecname = NULL;
dns_message_currentname(msg, DNS_SECTION_AUTHORITY, &nsecname);
    nsecset = search_type(nsecname, dns_rdatatype_nsec,
    dns_rdatatype_any);
    if (nsecset == NULL)
    continue;

    printf("There is a NSEC for this zone in the"
for (result = dns_rdataset_first(nsecset);
    result == ISC_R_SUCCESS;
    result = dns_rdataset_next(nsecset)) {
    dns_rdataset_current(nsecset, &nsec);

    signsecset
    = chase_scanname_section(msg, nsecname,
        dns_rdatatype_rrsig,
        dns_rdatatype_nsec,
        DNS_SECTION_AUTHORITY);
    if (signsecset == NULL) {
        printf(";; no RRSIG NSEC in authority section:
            " impossible to validate the
            "non-existence: FAILED\n");
        return (ISC_R_FAILURE);
    }

    ret = dns_rdata_tostruct(&nsec, &nsecstruct, NULL);
    check_result(ret,"dns_rdata_tostruct");

    if (((inf_name(nsecname, &nsecstruct.next) == 1 &&
        inf_name(name, &nsecstruct.next) == 1) ||
        (inf_name(name, nsecname) == 1 &&
        inf_name(&nsecstruct.next, name) == 1)) {
        dns_rdata_freestruct(&nsecstruct);
        *rdataset = nsecset;
        *sigrdataset = signsecset;
        dup_name(nsecname, rdata_name);

        return (ISC_R_SUCCESS);
    }

    dns_rdata_freestruct(&nsecstruct);
    dns_rdata_reset(&nsec);
}]
} while (dns_message_nextname(msg, DNS_SECTION_AUTHORITY) == ISC_R_SUCCESS);

*rdataset = NULL;
*sigrdataset = NULL;
rdata_name = NULL;
return (ISC_R_FAILURE);

/**
isc_result_t
prove_nx_type(dns_message_t *msg, dns_name_t *name, dns_rdataset_t *nsecset,
    dns_rdataclass_t rdclass, dns_rdatatype_t type,
    dns_name_t *rdata_name, dns_rdataset_t **rdataset,
    dns_rdataset_t **sigrdataset)
{
    isc_result_t ret;
    dns_rdataset_t *signsecset;
    dns_rdata_t nsec = DNS_RDATA_INIT;

    UNUSED(rdclass);

    ret = dns_rdataset_first(nsecset);
    check_result(ret,"dns_rdataset_first");

    dns_rdataset_current(nsecset, &nsec);

    ret = dns_nsec_typepresent(&nsec, type);
    if (ret == ISC_R_SUCCESS)
        printf("OK the NSEC said that the type doesn't exist 
");

    signsecset = chase_scannamename_section(msg, name,
        dns_rdatatype_rrsig,
        dns_rdatatype_nsec,
        DNS_SECTION_AUTHORITY);
    if (signsecset == NULL) {
        printf("There isn't RRSIG NSEC for the zone \n");
        return (ISC_R_FAILURE);
    }
    dup_name(name, rdata_name);
    *rdataset = nsecset;
    *sigrdataset = signsecset;

    return (ret);
}

/**
 *
 */
isc_result_t 
prove_nx(dns_message_t *msg, dns_name_t *name, dns_rdataclass_t rdclass, 
dns_rdatatype_t type, dns_name_t *rdata_name, 
dns_rdataset_t **rdataset, dns_rdataset_t **sigrdataset) 
{
    isc_result_t ret;
    dns_rdataset_t *nsecset = NULL;

    printf("We want to prove the non-existence of a type of rdata %d" 
        " or of the zone: \n", type);

    if ((ret = dns_message_firstname(msg, DNS_SECTION_AUTHORITY)) 
        != ISC_R_SUCCESS) {
        printf(";; nothing in authority section : impossible to" 
            " validate the non-existence : FAILED\n");
        return (ISC_R_FAILURE);
    }

    nsecset = chase_scanname_section(msg, name, dns_rdatatype_nsec, 
        dns_rdatatype_any, 
        DNS_SECTION_AUTHORITY);
    if (nsecset != NULL) {
        printf("We have a NSEC for this zone :OK\n");
        ret = prove_nx_type(msg, name, nsecset, rdclass, 
            type, rdata_name, rdataset, 
            sigrdataset);
        if (ret != ISC_R_SUCCESS) {
            printf("prove_nx: ERROR type exist\n");
            return (ret);
        } else {
            printf("prove_nx: OK type does not exist\n");
            return (ISC_R_SUCCESS);
        }
    } else {
        printf("there is no NSEC for this zone: validating " 
            "that the zone doesn't exist\n");
        ret = prove_nx_domain(msg, name, rdata_name, 
            rdataset, sigrdataset);
        return (ret);
    }

    /* Never get here */
}
#endif

1.287 jetty-servlets 9.4.26.v20200117
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----
MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.288 kryo-serializers 0.45

1.289 spring-security-rsa 1.0.7

1.290 hibernate-validator 6.0.18

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core
The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache
The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.
1.293 @babel/runtime 7.10.1

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1.294 tiny-emitter 1.2.0

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]  

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.
The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon.
University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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1.304 lz4-java 1.6.0

1.305 xz 5.2.4 1
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1.328 spring-context 5.2.3

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1.339 avahi 0.7-4+b1

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* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources-
jar/org/springframework/messaging/handler/invocation/reactive/ReturnValueHandlerConfigurer.java
* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources-
jar/org/springframework/messaging/MessageHeaders.java
* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources-
jar/org/springframework/messaging/core/MessageSendingOperations.java
* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources-
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jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java
* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources.jar/org/springframework/messaging/support/ChannelInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources.jar/org/springframework/messaging/core/CachingDestinationResolverProxy.java
* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources.jar/org/springframework/messaging/handler/annotation/MessageExceptionHandler.java
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* /opt/ws_local/PERMITS_SQL/1023699194_1590036959.83/0/spring-messaging-5-2-3-release-sources.jar/org/springframework/messaging/simp/stomp/StompConversionException.java

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/**
* Set the max pool size of the ThreadPoolExecutor.
* <p><strong>NOTE:</strong> When an unbounded
* {@link #queueCapacity(int) queueCapacity} is configured (the default), the
* max pool size is effectively ignored. See the "Unbounded queues" strategy
* in {@link java.util.concurrent.ThreadPoolExecutor ThreadPoolExecutor} for
* more details.
* <p>By default this is set to {code Integer.MAX_VALUE}.
*/

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1.343 asm-commons 7.1

1.344 string_decoder 1.1.1
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1.345 ixgbevf 3.1.2

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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===========================
Advice for new contributors
===========================

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow
If you are new to contributing to Django, the :doc:`/intro/contributing` tutorial will give you an introduction to the tools and the workflow.

First steps
==========

Start with these easy tasks to discover Django's development process.

* **Sign the Contributor License Agreement**

  The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the `CLA`_. See the `Contributor License Agreement FAQ`_ for a more thorough explanation.

* **Triage tickets**

  If an `unreviewed ticket`_ reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at :ref:`how-can-i-help-with-triaging`

* **Look for tickets that are accepted and review patches to build familiarity with the codebase and the process**

  Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests </internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

* **Keep old patches up to date**

  Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.

* **Write some documentation**

  Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.
.. note::

The `reports page`_ contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. _reports page: https://code.djangoproject.com/wiki/Reports

.. _CLA: https://www.djangoproject.com/foundation/cla/
.. _Contributor License Agreement FAQ: https://www.djangoproject.com/foundation/cla/faq/
.. _unreviewed ticket: https://code.djangoproject.com/query?status=!closed&stage=Unreviewed

Guidelines
==========

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

* **Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

* **Analyze tickets' context and history**

Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *hasn't* spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

* **Start small**

It's easier to get feedback on a little issue than on a big one. See the `easy pickings`_.

* **If you're going to engage in a big task, make sure that your idea has support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**
Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**

When we say`:pep:`8, and must have docs and tests`, we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

FAQ
===

1. **This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?**

   First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the [django-developers] mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?**
Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

django.dispatch was originally forked from PyDispatcher.

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1.349 e2fsprogs 1.43.8

1.349.1 Available under license :

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Gadi Oxman, August 1995

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Theodore Ts'o
23-June-2007

------------------------------------------------------------------------

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library "Frob" (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the ss
cmd-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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# This is a Makefile stub which handles the creation of BSD shared
# libraries.

# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$INSTALL_PROGRAM $(BSD_LIB) 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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written by Theodore Ts'o <typso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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1.359 arraybuffer.slice 0.0.6

1.359.1 Available under license:
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```
# How to
```javascript
```
var sliceBuffer = require('arraybuffer.slice');
var ab = (new Int8Array(5)).buffer;
var sliced = sliceBuffer(ab, 1, 3);
sliced = sliceBuffer(ab, 1);
```

```
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```

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* /opt/ws_local/PERMITS_SQL/1047774230_1591430399.74/0/arraybuffer-slice-0-0-6-3-
tgz/package/README.md

1.360 pycrypto 2.6.1
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1.364 systemd 241-7~deb10u4
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1.367 init-system-helpers 1.56+nmu1

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* src/svg.js - Code to embed SVG into normal HTML for browsers that natively support SVG adapted from Sam
  Ruby's code - http://intertwingly.net/blog/2006/12/05/HOWTO-Embed-MathML-and-SVG-into-HTML4 - currently
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* src/svg.js - DOMContentLoaded code adapted from Dean Edwards blog article
  (http://dean.edwards.name/weblog/2005/09/busted/)

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- Steve Clift <clift@ml.csiro.au> OMEGA clock driver
- Casey Crellin <casey@csce.co.za> vxWorks (Tornado) port and...
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- Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
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- NeoClock4X clock driver
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- Rewrote sntp/ntpq saveconfig to comply with NTPv4 specification
- RS/6000 AIX modifications, HPUX modifications
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- ppsclock, Magnavox GPS clock driver
- SunOS 5.1 port
- MD5-based authentication
- adaptation of foundation code for Version 3 as specified in RFC-1305
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- Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
- Wolfgang Moeller
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  date = "1992-2017";
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  eaddr = &quot;http://bugs.ntp.org, bugs@ntp.org&quot;;
  type = ntp;
};

long-opts;
config-header = config.h;
environrc;
no-misuse-usage;
version-proc = ntpOptionPrintVersion;

version = `"`
eval VERSION=`\ sed -e 's/\*/\n/ -e 's/\n/ < ../sntp/m4/version.m4`
[ -z "$\{VERSION\}$" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid echo $\{VERSION\};

version-value = ":/" Don't use -v as a shortcut for --version */

/**
 * HMS: man pages already have this, and texi pages can use the
 * values in sntp/include/version.texi .
 */
// doc-sub = {
//     sub-name = version;
//     sub-text = 's/#VERSION#/<<version>>/g';
// };

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1.377 socket.io-parser 2.3.1

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1.387 bcel 6.4.0

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1.391 jackson-module-parameter-names

2.10.2

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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com) 
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk) 
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc. 
* http://www.hypermall.com/ 
* 10/1/97 - commented out CFG PHYIE bit - we don't care when the PHY 
* interrupts us (except possibly for removal/insertion of the cable?) 
* 10/4/97 - began heavy inline documentation of the code. Corrected typos 
* and spelling mistakes. 
* 10/5/97 - added code to handle PHY interrupts, disable PHY on 
* loss of link, and correctly re-enable PHY when link is 
* re-established. (put back CFG PHYIE) 
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only. 
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997 
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
*/

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Linus Torvalds

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Ty Coon, President of Vice

That's all there is to it!
Thanks go to the following people for patches and contributions:

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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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Ronny Strutz <3des@elitedvb.de>
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for many bugfixes

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for the driver for the Technisat SkyStar2 PCI DVB card

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for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
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for the IR code for the ttusb-dec driver

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for the lgdt330x frontend driver, and various bugfixes
Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)

1.395 shadow 4.5-1.1

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
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http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.
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* /opt/ws_local/PERMITS_SQL/1047774479_1591200443.92/0/des-js-1-0-1-4-tgz/package/README.md

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html
org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by
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1.406 spring-boot-starter-json 2.2.4
1.406.1 Available under license:
No license file was found, but licenses were detected in source scan.

<name>Apache License, Version 2.0</name>

Found in path(s):

1.407 json-java 20140107

1.408 log-rotate 3.13.0
1.408.1 Available under license:
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1.412 metrics 4.1.2

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1.416 spring-cloud-stream-binder-kafka-core

3.0.0

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1.417 angular-sanitize 1.7.9

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1.418 asn1crypto 0.24.0

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1.419 spring-cloud-consul-core 2.2.0

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1.424 angular-dashboard-framework 0.12.0

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* /opt/ws_local/PERMITS_SQL/1018365088_1591903911.65/0/jnr-constants-0-9-9-sources.jar/jnr/constants/Constant.java  
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1.426 indexof 0.0.1
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  jar/org/springframework/oxm/Marshaller.java
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* /opt/ws_local/PERMITS_SQL/1026753737_1591204582.11/0/spring-oxm-5-2-3-release-sources-jar/org/springframework/oxm/jibx/JibxMarshaller.java
* /opt/ws_local/PERMITS_SQL/1026753737_1591204582.11/0/spring-oxm-5-2-3-release-sources-
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1.434 d3-tip 0.6.8

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1.435 swagger-annotations 1.5.22

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package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master_versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */

String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */

String url() default "";
}
1.436 pppoe 3.11

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```
// rJ
0'0'0'0'p~l`vffffffb'```m`````````````````````````````````````````````````````````````````````````````````````````````````m```````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````````
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Zstd-jni: JNI bindings to Zstd Library

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1.449 buffer 4.9.2

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1.450 datatype 1.4.01

1.451 spring-plugin-metadata 1.2.0

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<link rel="stylesheet" href="_static/kerb.css" type="text/css" />
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    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
    HAS_SOURCE:  true,
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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.. parsed-literal::

    lib/gssapi/generic/gssapi_err_generic.et
    lib/gssapi/mechglue/g_accept_sec_context.c
    lib/gssapi/mechglue/g_acquire_cred.c
    lib/gssapi/mechglue/g_canon_name.c
    lib/gssapi/mechglue/g_compare_name.c
    lib/gssapi/mechglue/g_context_time.c
    lib/gssapi/mechglue/g_delete_sec_context.c
    lib/gssapi/mechglue/g_dsp_name.c
    lib/gssapi/mechglue/g_dsp_status.c
    lib/gssapi/mechglue/g_dup_name.c
    lib/gssapi/mechglue/g_exp_sec_context.c
    lib/gssapi/mechglue/g_export_name.c
    lib/gssapi/mechglue/g_glue.c
and the initial implementation of incremental propagation, including
the following new or changed files:

.. parsed-literal::

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/kdb5_err.et
    kprop/kpropd_rpc.c
    kprop/kproplog.c

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import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
text_seen = False
is_license = False
for line in comment:
    if not is_license and indicates_license(line):
        is_license = True
    if text_seen:
        warn(fname, ln, 'License begins after first line of comment')
    elif code_seen:
        warn(fname, ln, 'License after code')
    elif nonlicense_seen:
        warn(fname, ln, 'License after non-license comments')
    break
# DB2 licenses start with '/' and we don't want to change them.
if line != '' and line != '-':
    text_seen = True
return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^ ]*) (-.*? \*/)', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'/\*.*?\*/', '', line)
            line = line.strip()
        if not in_comment and '/\*\* in line:
            (line, sep, comment_part) = line.partition('/\*\n')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '/\*\' not in line:
            comment.append(line.lstrip('\*').lstrip(' ')
        else:
            break
    return is_license
MIT Kerberos License information

.. toctree::
   :hidden:

   copyright.rst

.. include:: notice.rst

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lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
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lib/libgss/g_dup_name.c
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lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
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lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
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uts/common/gssapi/include/mechglueP.h
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```
lib/gssapi/generic/gssapi_err_generic.c
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
```
and the initial implementation of incremental propagation, including
the following new or changed files:

```plaintext
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.c
lib/kdb/iprop_log.c
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
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(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the 
application. Therefore, Subsection 2d requires that any 
application-supplied function or table used by this function must 
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root function must still compute square roots.)
@end enumerate

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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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That's all there is to it!

/* _setjmp is implemented in setjmp.S */

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jar/org/springframework/boot/autoconfigure/data/jpa/package-info.java
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jar/org/springframework/boot/autoconfigure/security/StaticResourceLocation.java
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1.460 servo-core 0.12.21

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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
   jar/com/netflix/servo/monitor/StatsTimer.java
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   jar/com/netflix/servo/monitor/AnnotatedStringMonitor.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
   jar/com/netflix/servo/monitor/Monitors.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
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 */

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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources.jar/com/netflix/servo/util/Iterables.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources.jar/com/netflix/servo/monitor/DoubleCounter.java

jar/com/netflix/servo/util/ThreadFactories.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/tag/BasicTag.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/monitor/DynamicCounter.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/util/ExpiringCache.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/util/UnmodifiableList.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/publish/CounterToRateMetricTransform.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/tag/BasicTagList.java
No license file was found, but licenses were detected in source scan.

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Found in path(s):
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jar/com/netflix/servo/monitor/Pollers.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/monitor/PeakRateCounter.java
No license file was found, but licenses were detected in source scan.

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* limitations under the License.  
*  
* Monitor registry and helper classes to expose monitored attributes to  
* JMX.  
*  
* Monitor registry and helper classes to expose monitored attributes to  
* JMX.  
*  
* Monitor registry and helper classes to expose monitored attributes to  
* JMX.  
*  
*/

Found in path(s):  
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No license file was found, but licenses were detected in source scan.

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*  
* Code related to Tagging objects with metadata.  
*  
* Code related to Tagging objects with metadata.  
*  
* Code related to Tagging objects with metadata.  
* */

Found in path(s):  
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
1.461 bzip2 1.0.6 9.2~deb10u1
1.461.1 Available under license:

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Julian Seward, jsward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

--------------------------------------------------------------------------
1.462 python-django 1.11.11 1.el7ost

1.462.1 Available under license:

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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<th>Year</th>
<th>Owner</th>
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1
is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's
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===========================

Advice for new contributors
New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

.. admonition:: Basic tools and workflow

If you are new to contributing to Django, the :doc:`/intro/contributing` tutorial will give you an introduction to the tools and the workflow.

First steps
============

Start with these easy tasks to discover Django's development process.

* **Sign the Contributor License Agreement**

  The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the `CLA`_. See the `Contributor License Agreement FAQ`_ for a more thorough explanation.

* **Triage tickets**

  If an `unreviewed ticket`_ reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at :ref:`how-can-i-help-with-triaging`

* **Look for tickets that are accepted and review patches to build familiarity with the codebase and the process**

  Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. :doc:`Run the tests </internals/contributing/writing-code/unit-tests>` and make sure they pass. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

* **Keep old patches up to date**

  Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on :doc:`writing-code/submitting-patches`.
**Write some documentation**

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on :doc:`writing-documentation`.

.. note::

   The `reports page`_ contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

   .. _reports page: https://code.djangoproject.com/wiki/Reports

   .. _CLA: https://www.djangoproject.com/foundation/cla/
   .. _Contributor License Agreement FAQ: https://www.djangoproject.com/foundation/cla/faq/
   .. _unreviewed ticket: https://code.djangoproject.com/query?status=!closed&stage=Unreviewed

Guidelines
==========

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

**Pick a subject area that you care about, that you are familiar with, or that you want to learn about**

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

**Analyze tickets' context and history**

Trac isn't an absolute; the context is just as important as the words. When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who hasn't spoken -- for example, if an experienced contributor hasn't been recently involved in a discussion, then a ticket may not have the support required to get into Django.

**Start small**

It's easier to get feedback on a little issue than on a big one. See the `easy pickings`_.

**If you're going to engage in a big task, make sure that your idea has
support first**

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that there's consensus on a proposed feature before you go implementing it.

* **Be bold! Leave feedback!**

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of any one person. We can't do it without **you**!

* **Err on the side of caution when marking things Ready For Check-in**

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

* **Wait for feedback, and respond to feedback that you receive**

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

* **Be rigorous**

When we say ""pep:'8', and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. _easy-pickings: https://code.djangoproject.com/query?status=!closed&easy=1

.. _new-contributors-faq:

FAQ

====

1. **This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?**

First off, it's not personal. Django is entirely developed by volunteers (except the Django fellow), and sometimes folks just don't have time. The
best thing to do is to send a gentle reminder to the [django-developers] mailing list asking for review on the ticket, or to bring it up in the `#django-dev` IRC channel.

2. **I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?**

   Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

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Version 2.1, February 1999

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/SchedulePeriodicHelper.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/InternalObservableUtils.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeOnAssemblyCompletable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/BackpressureOverflow.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleObserveOn.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeOnAssembly.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaHooks.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleFromFuture.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleLiftObservableOperator.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleToObservable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleFromEmitter.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDelay.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/SchedulerWhen.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeThrow.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/ActionObserver.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/CancellableSubscription.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/Unsubscribed.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/CancelabeSubscription.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleTakeUntilSingle.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/Unsubscribed.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/CancellableSubscription.java
jar/rx/internal/operators/SingleDoOnSubscribe.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/internal/operators/NeverObservableHolder.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/observers/AssertableSubscriber.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/observers/SafeCompletableSubscriber.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/internal/operators/CompletableFlatMapSingleToCompletable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/singles/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/internal/operators/OnSubscribeCreate.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/plugins/RxJavaSingleExecutionHookDefault.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources.jar/rx/internal/schedulers/GenericScheduledExecutorServiceFactory.java

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/AsyncOnSubscribe.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDoAfterTerminate.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/ActionN.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/OnErrorNotImplementedException.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/OperatorToObservableSortedList.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Action9.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/BehaviorSubject.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/OperatorTakeUntil.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/NewThreadScheduler.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/CompletableOnSubscribeMergeArray.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/OperatorMaterialize.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/CompletableOnSubscribeConcat.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/Observer.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observablejs/Observer.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorZip.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/RxRingBuffer.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorToObservableList.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/Observers.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rxjava-1-3-8-sources-jar/rx/internal/operators/CompletableOnSubscribeConcatArray.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeIterable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/SubjectSubscriptionManager.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rxjava-1-3-8-sources-jar/rx/schedulers/TestScheduler.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rxjava-1-3-8-sources-jar/rx/exceptions/UnsubscribeFailedException.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rxjava-1-3-8-sources-jar/rx/exceptions/UnsubscribeFailedException.java

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/SyncOnSubscribe.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorElementAt.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeAmb.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/ReplaySubject.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/IndexedRingBuffer.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/notifications/Notification.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/exceptions/Exceptions.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subscriptions/RefCountSubscription.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorCast.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Func0.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorDoOnSubscribeConcatIterable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Func6.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subscribers/Subscribers.java
jar/rx/internal/operators/OnSubscribeTimeoutSelectorWithFallback.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/exceptions/OnCompletedFailedException.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/functions/Function.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorTakeWhile.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorRange.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/plugins/RxJavaObservableExecutionHook.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/BlockingOperatorMostRecent.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OnSubscribeTimeoutTimedWithFallback.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/observers/SerializedSubscriber.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/functions/Action2.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/functions/Action.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/plugins/RxJavaObservableExecutionHookDefault.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorDoOnSubscribe.java
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jar/rx/internal/operators/OperatorSerialize.java
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jar/rx/internal/operators/OnSubscribeSwitchIfEmpty.java
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In short, changes to public signatures of these classes will not be accounted for in the versioning of RxJava.

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/CompletableSubscriber.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeReduceSeed.java
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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorBufferWithSingleObservable.java
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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert UnsafeAccess.isUnsafeAvailable() == true

Much of the code in this package comes from or is inspired by the JCTools project:
https://github.com/JCTools/JCTools

JCTools has now published artifacts (https://github.com/JCTools/JCTools/issues/17) so RxJava could add JCTools as a "shadow" dependency (https://github.com/ReactiveX/RxJava/issues/1735). RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an externally visible dependency that results in a separate jar.

The license for the JCTools code is https://github.com/JCTools/JCTools/blob/master/LICENSE

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 * This plugin class provides 2 ways to customize [Scheduler] functionality
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 * the 3 methods that return Scheduler (io(), computation(), newThread()).
 * 2. You may wrap/decorate an Action0, before it is handed off to a Scheduler. The system-
 * supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
 * Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
 * modify Scheduler functionality without redefining Schedulers wholesale.
 * 
 * Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
 * </p>
 * See [RxJavaPlugins] or the RxJava GitHub Wiki for information on configuring plugins:
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1.489 angular-upgrade 9.0.7
1.489.1 Available under license :
No license file was found, but licenses were detected in source scan.
(value?: R | PromiseLike<R>) => void; // TODO(issue/24571): remove '!' require !: (error?: any) => void;

```
new Promise((res, rej) => {
  this.resolve = res;
  this.reject = rej;
});
```


```
export interface LazyModuleRef {
  injector?: Injector;
  promise?: Promise<Injector>;
}

export
```

```
const enum UpgradeAppType {
  None,

  Dynamic,

  Static,

  Lite,
}

/**
 * @return
 * Whether the passed-in component implements the subset of the
 *     `ControlValueAccessor` interface needed for
 *     AngularJS `ng-model` * compatibility
 * */
function supportsNgModel(component: any) {
  return typeof component.writeValue === 'function' &&
      typeof component.registerOnChange === 'function';

/**
 * Test two values for
 * strict equality, accounting for the fact that `NaN !== NaN`.
 */
export function strictEquals(val1: any, val2: any): boolean {
  return val1 === val2 || (val1 !== val1 && val2 !== val2);
}

/**
 * @license
 * Copyright
 * Google Inc. All Rights Reserved.
 *
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 * found in the LICENSE file at https://angular.io/license
 */

import {ApplicationRef, ChangeDetectorRef,

  ComponentFactory, ComponentRef, Emitter, Injector, OnChanges, SimpleChange, SimpleChanges,

  StaticProvider, Testability, TestabilityRegistry, Type} from '@angular/core';

import {IAttributes,

  IAugmentedJQuery, ICompileService, IInjectorService, INgModelController, IParseService, IScope} from

  './angular1';
import {PropertyBinding} from './component_info';
import {$SCOPE} from './constants';
import {getTypeName, hookupNgModel, strictEquals} from './util';

const INITIAL_VALUE = {
  __UNINITIALIZED__: true
};

export class DowngradeComponentAdapter {
  private implementsOnChanges = false;
  private inputChangeCount: number = 0;
  private inputChanges: SimpleChanges = {};

  constructor(
    private element: IAugmentedJQuery, private attrs: IAttributes, private scope: IScope,
      private ngModel: INgModelController, private parentInjector: Injector,
      private $injector: IInjectorService, private $compile: ICompileService,
      private $parse: IParseService, private componentFactory: ComponentFactory<any>,

    private wrapCallback: <T>(cb: () => T) => () => T) {
    this.componentScope = scope.$new();
  }

  compileContents(): Node[][] {
    const compiledProjectableNodes: Node[][] = [];
    const projectableNodes: Node[][] = this.groupProjectableNodes();
    const linkFns = projectableNodes.map(nodes =>
        this.$compile(nodes));

    this.element.empty !();

    linkFns.forEach(linkFn => {
      linkFn(this.scope,

        (clone: Node[]) => {
          compiledProjectableNodes.push(clone);
          this.element.append !(clone);
        });
    });

    return compiledProjectableNodes;
  }

  createComponent(projectableNodes: Node[][]) {
    const

      providers: StaticProvider[] = [{provide: $SCOPE, useValue: this.componentScope}];
      private construct(?

        $compile, $parse, private scope: IScope, private ngModel:

        InGModelController, private parentInjector: Injector, ?

        private Sinjector: InjectorService, private Scompile:

        ICompileService, private $Sparse: IParseService, private componentFactory: ComponentFactory<any>,

        private wrapCallback: <T>(cb: () => T) => () => T) {?

        this.componentScope = scope.$new();
      };

      private compileContents(): Node[] {?

        const compiledProjectableNodes: Node[] = [];

        const linkFns = projectableNodes.map(nodes =>
            this.$compile(nodes));

        this.element.empty !();

        linkFns.forEach(linkFn => {
          linkFn(this.scope,

            (clone: Node[]) => {
              compiledProjectableNodes.push(clone);

              this.element.append !(clone);?

            });?

          return compiledProjectableNodes;

        });

        const childInjector =
          Injector.create(?

            (providers: providers, parent: this.parentInjector, name:?

              DowngradeComponentAdapter);?

        this.componentRef =
          this.componentFactory.create(childInjector,?

            projectableNodes, this.component[0]);

        this.viewChangeDetector =
          this.componentRef.viewChangeDetectorRef;?

        this.changeDetector =
          this.componentRef.changeDetectorRef;?

        this.component =
          this.componentRef.instance;?

      };

    // testability hook is commonly added during component bootstrap in
    // packages/core/src/application_ref/bootstrap() in
    // in downgraded application, component creation will take place here as well as adding the
    // testability hook;

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const testability = this.componentRef.injector.get(Testability, null);
if (testability) {
  this.componentRef.injector.get(TestabilityRegistry)
  .registerApplication(this.componentRef.location.nativeElement, testability);
}

hookupNgModel(this.ngModel, this.component);

setupInputs(manuallyAttachView: boolean, propagateDigest = true); void {
  const attrs = this.attrs;
  const inputs = this.componentFactory.inputs || [];
  for (let i = 0; i < inputs.length; i++) {
    const input = new PropertyBinding(inputs[i].propName, inputs[i].templateName);
    let expr: string | null = null;
    if (attrs.hasOwnProperty(input.attr)) {
      const observeFn = (prop => {
        let prevValue = INITIAL_VALUE;
        return (currValue: any) => {
          // Initially, both `observe()` and `$watch()` will call this function.
          if (!strictEquals(prevValue, currValue)) {
            if (prevValue === INITIAL_VALUE) {
              prevValue = currValue;
            }
            this.updateInput(prop, prevValue, currValue);
            prevValue = currValue;
          }
        };
      })(input.prop);
      attrs.$observe(input.attr, observeFn);
      // Use `$watch()` (in addition to `observe()`) in order to initialize the input in time
      // for `ngOnChanges()`. This is necessary if we are already in a `$digest`,
      // which means that this `ngOnChanges()` (which is called by a watcher) will run before the `observe()`
      // callback.
      let unwatch: Function | null = this.componentScope.$watch(() => {
        unwatch = null;
        observeFn(attrs[input.attr]);
      });
      else if (attrs.hasOwnProperty(input.bindAttr)) {
        expr = attrs[input.bindAttr];
      } else if (attrs.hasOwnProperty(input.bracketAttr)) {
        expr = attrs[input.bracketAttr];
      } else if (attrs.hasOwnProperty(input.bindonAttr)) {
        expr = attrs[input.bindonAttr];
      } else if (attrs.hasOwnProperty(input.bracketParenAttr)) {
        expr = attrs[input.bracketParenAttr];
      } else if (attrs.hasOwnProperty(input.onAttr)) {
        expr = attrs[input.onAttr];
      } else if (attrs.hasOwnProperty(input.parenAttr)) {
        expr = attrs[input.parenAttr];
      }
      if (expr != null) {
        const watchFn =
            (prop => (curValue: any, prevValue: any) =>
                 this.updateInput(prop, prevValue, curValue))(input.prop);
        this.componentScope.$watch(expr, watchFn);
      }
    }

    this.componentScope.$watch(() => this.inputChangeCount,
        this.wrapCallback(() => {
          if (this.implementsOnChanges) {
            const inputChanges = this.inputChanges;
            this.inputChanges = {};
            (<OnChanges>this.component).ngOnChanges(inputChanges);
          }
        }));

    this.viewChangeDetector.markForCheck();
  }
}

this.subscribeToOutput(output, attr[bindAttr], true); void if (attrs.hasOwnProperty(bindAttr)) {
  this.subscribeToOutput(output, attr[bindAttr], true);
}

private subscribeToOutput(output: PropertyBinding, expr: string, isAssignment: boolean = false) {
const getter = this.$parse(expr);
const setter = getter.assign;
if (isAssignment && !setter) { throw new
Error(`Expression '${expr}' is not assignable!')\n    }\n  }\n}

registerCleanup() {\n  const \n    testabilityRegistry = this.componentRef.injector.get(TestabilityRegistry);\n    const destroyComponentRef =\n      this.componentRef.destroy();\n      if (destroyComponentRef) {\n        \n      testabilityRegistry.unregisterApplication(this.componentRef.location.nativeElement);\n    destroyComponentRef();\n    const destroyComponentRef =\n      this.componentRef.destroy();\n      if (destroyComponentRef) {\n        \n      testabilityRegistry.unregisterApplication(this.componentRef.location.nativeElement);\n    destroyComponentRef();\n    const destroyComponentRef =\n      this.componentRef.destroy();\n      if (destroyComponentRef) {\n        \n      testabilityRegistry.unregisterApplication(this.componentRef.location.nativeElement);\n    destroyComponentRef();\n    const destroyComponentRef =\n      this.componentRef.destroy();\n      if (destroyComponentRef) {\n        \n      testabilityRegistry.unregisterApplication(this.componentRef.location.nativeElement);\n    destroyComponentRef();\n    const destroyComponentRef =\n      this.componentRef.destroy();\n      if (destroyComponentRef) {\n        \n    private updateInput(prop: string, prevValue: any, currValue: any) {\n      if (this.implementsOnChanges) {\n        this.inputChanges[prop] = new SimpleChange(prevValue, currValue, prevValue === currValue);\n      }\n      this.inputChangeCount++;\n      this.component[prop] = currValue;\n    }\n  }
  
};

  static all<T>(valuesOrPromises: (T|Thenable<T>)[]): SyncPromise<T[]> {\n    const aggrPromise = new SyncPromise<T[]>();\n    let resolvedCount = 0;\n    const results: T[] = [];\n    const resolve = (idx: number, value: T) => {
      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };
    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });\n    return aggrPromise;
  }

  then(callback: (value: T) => unknown): void {\n    if (this.resolved) {
      callback(this.value !);
    } else {
      this.callbacks.push(callback);
    }
  }
}

export function isThenable<T>(obj: unknown): obj is Thenable<T> {\n  return !obj || isFunction((obj as any).then);
}

/**
 * Synchronous, promise-like object.
 */
export class SyncPromise<T> {\n  protected value: T|undefined;
  private resolved = false;
  private callbacks: ((value: T) => unknown)[] = [];

  static all<T>(valuesOrPromises: (T|Thenable<T>)[]): SyncPromise<T[]> {\n    const aggrPromise = new SyncPromise<T[]>();\n    let resolvedCount = 0;\n    const results: T[] = [];\n    const resolve = (idx: number, value: T) => {
      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };
    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });\n    return aggrPromise;
  }

  then(callback: (value: T) => unknown): void {\n    if (this.resolved) {
      callback(this.value !);
    } else {
      this.callbacks.push(callback);
    }
  }
}

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 */
export class SyncPromise<T> {\n  protected value: T|undefined;
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      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };
    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });\n    return aggrPromise;
  }

  then(callback: (value: T) => unknown): void {\n    if (this.resolved) {
      callback(this.value !);
    } else {
      this.callbacks.push(callback);
    }
  }
}

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      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };
    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });\n    return aggrPromise;
  }

  then(callback: (value: T) => unknown): void {\n    if (this.resolved) {
      callback(this.value !);
    } else {
      this.callbacks.push(callback);
    }
  }
}
```typescript
import {ComponentFactory, ComponentFactoryResolver, Injector, NgZone, Type} from '@angular/core';
import {IAnnotatedFunction, IAttributes, IAugmentedJQuery, ICompileService, IDirective, IInjectorService, INgModelController, IParseService, IScope} from './angular1';
import {$COMPILE, $INJECTOR, $PARSE, INJECTOR_KEY, LAZY_MODULE_REF, REQUIRE_INJECTOR, REQUIRE_NG_MODEL} from './constants';
import {DowngradeComponentAdapter} from './downgrade_component_adapter';
import {LazyModuleRef, UpgradeAppType, controllerKey, getDowngradedModuleCount, getTypeName, getUpgradeAppType, validateInjectionKey} from './util';
import {SyncPromise, Thenable} from './promise_util';

/**
 * @description
 *
 * A helper function that allows an Angular component to be used from AngularJS.
 *
 * *Part of the [upgrade/static](api?query=upgrade%2Fstatic) library for hybrid upgrade apps that support AOT compilation*
 *
 * This helper function returns a factory function that we can use to define the AngularJS directive that wraps the "downgraded" component.
 *
 * @usageNotes
 * ### Examples
 *
 * Let's assume that you have an Angular component called `ng2Heroes` that needs to be made available in AngularJS templates.
 *
 * `{@example upgrade/static/ts/full/module.ts region="ng2-heroes"}
 *
 * We must create an AngularJS directive for "downgrading" an Angular component:
 *
 * `{@example upgrade/static/ts/full/module.ts region="ng2-heroes-wrapper"}
 *
 * For more details and examples on downgrading Angular components to AngularJS components please visit the [Upgrade guide](https://docs.angularjs.org/guide/upgrade#using-angular-components-from-angularjs-code).
 *
 * @param info contains information about the Component that is being downgraded:
 *
 * - `component: Type<any>`: The type of the Component that will be downgraded
 * - `downgradedModule?: string`: The name of the downgraded module (if any) that the component "belongs to", as returned by a call to `downgradeModule()`. It is the module, whose corresponding Angular module will be bootstrapped, when the component needs to be instantiated.
 * (This option is only necessary when using `downgradeModule()` to downgrade more than one Angular module.)
 * - `propagateDigest?: boolean`: Whether to perform [change detection](https://docs.angularjs.org/guide/directive). If set to `false`, change detection will still be performed when any of the component's inputs changes. (Default: true)
 *
 * @returns a factory function that can be used to register the component in an AngularJS template.
 *
 * @publicApi
 */
export function downgradeComponent(info: {
  component: Type<any>; downgradedModule?: string; propagateDigest?: boolean;
  /** @deprecated since v4. This parameter is no longer used */
  inputs?: string[];
  /** @deprecated since v4. This parameter is no longer used */
  outputs?: string[];
  /** @deprecated since v4. This parameter is no longer used */
  selectors?: string[];
}): any /* angular.IInjectable */ {
  const directiveFactory:
      IAnnotatedFunction = function($compile, $injector, $parse): IDirective {
        // When using `downgradeModule()`, we need to handle certain things specially. For example:
        // - We always need to attach the component view to the `ApplicationRef` for it to be
        //   dirty-checked.
        // - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the
        //   Angular zone.
        // - NOTE: This is not needed, when using `UpgradeModule`, because `Sdigest()` will be run
        //   inside the Angular zone (except if explicitly escaped, in which case we shouldn't)
        //   force it back in).
        const isNgUpgradeLite = getUpgradeAppType($injector) === UpgradeAppType.Lite;

        // When downgrading multiple modules, special handling is needed wrt injectors.
        const hasMultipleDowngradedModules = isNgUpgradeLite && 
            (getDowngradedModuleCount($injector) > 1); return 
        // We might have to compile the contents asynchronously, because this might have been
        // triggered by `UpgradeNg1ComponentAdapterBuilder`,
```
before the Angular templates have been compiled.

        const ngModel: INgModelController =
            required[1];
        const parentInjector: Injector|Thenable<Injector>|undefined = required[0];
        let moduleId = moduleInjector: Injector|Thenable<Injector>|undefined = undefined;

        if ((parentInjector || hasMultipleDowngradedModules) {
          const downgradedModule = info.downgradedModule
          moduleId = Info lazyModuleRefKey = `$[LAZY_MODULE_REF]$[downgradedModule]`;

          const attemptedAction = `instantiating component `$getComponentName(info.component)``;
          validateInjectionKey($injector, moduleId, lazyModuleRefKey, attemptedAction);

          const lazyModuleRef = $injector.get(lazyModuleRefKey) as LazyModuleRef
          moduleInjector = lazyModuleRef.injector || lazyModuleRef.promise as Promise<Injector>;
        }

        // Notes:
        //
        // There are two injectors: `finalModuleInjector` and `finalParentInjector` (they might be the same instance, but that is irrelevant);
        // - `finalModuleInjector` is used to retrieve `ComponentFactoryResolver`, thus it must be on the same tree as the `NgModule` that declares this downgraded component.
        // - `finalParentInjector` is used for all other injection purposes.

        // If there is a parent component, use its injector as both
        // `finalModuleInjector` and `finalParentInjector`. (they might be the same instance, but that is irrelevant)
        // - If there is a parent component (and thus a `parentInjector`) and we are sure that it belongs to the same `NgModule` as this downgraded component (e.g., because there is only one downgraded module, we use that `parentInjector` as both
        //   `finalModuleInjector` and `finalParentInjector`.
        // - If there is a parent component, but it may belong to a different `NgModule`, then we use the `parentInjector` as `finalParentInjector` and this downgraded component's
        //   `NgModule`'s injector as `finalModuleInjector`.
        // Note 1: If the `NgModule` is already bootstrapped, we just get its injector (we don't bootstrap again)
        //       if there are multiple downgraded modules)
        // Note 2: It is possible that (while there are multiple downgraded modules) this doesn't downgraded component and its parent component both belong to the same NgModule.

        // If there is a parent component, use its injector as parent injector.
        // If this is a "top-level" Angular component, use the module injector.
        // If there is a parent component that belongs to the same 'NgModule', use its injector.
        // If there is a parent component that belongs to a different 'NgModule', use the module injector for module-specific dependencies.
        // If there is a parent component that belongs to the same 'NgModule', use its injector.
        // If there is a parent component that belongs to a different 'NgModule', use the module injector for module-specific dependencies.

        componentFactoryResolver: ComponentFactoryResolver
          from either one will return the same instance.

        // If there is a parent component, use its injector as parent injector.
        // If this is a "top-level" Angular component, use the module injector.
        // If this is a "top-level" Angular component or the parent component may belong to a different 'NgModule', use the module injector for module-specific dependencies.

        // If there is a parent component that belongs to the same 'NgModule', use its injector.
        // If there is a parent component that belongs to a different 'NgModule', use the module injector for module-specific dependencies.

        componentFactoryResolver: ComponentFactoryResolver
          from the injector tied to the 'NgModule' this component belongs to.

        moduleInjector.get(ComponentFactoryResolver);}}
    }

    const componentFactory: ComponentFactory<any> =
        componentFactoryResolver.resolveComponentFactory(info.component);

    if (!componentFactory) {
      throw new Error(`Expecting ComponentFactory for: `getComponentName(info.component)``);
    }

    const injectorPromise = new ParentInjectorPromise(element);
    const facade = new
      DowngradeComponentAdapter(
        element, attrs, scope, ngModel, injector, $injector, $compile, $parse,
        componentFactory, wrapCallback);
      facade.createComponent(projectableNodes);
    facade.setupInputs(isNgUpgradeLite, info.propagateDigest);
    facade.setupOutputs();
    facade.registerCleanup();

    injectorPromise.resolve(facade.getInjector());
    if (isNgUpgradeLite) {
      // If this is run async, it is possible that it is not run inside a digest and initial input values will not be detected.
      scope.$evalAsync(() => {});
    }
  }

  const downgradeFn =
    !isNgUpgradeLite ? doDowngrade : (pInjector:

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Injector, mInjector: Injector) => {
  if (ngZone) {
    ngZone = pInjector.get(NgZone);
  }

  wrapCallback(() => doDowngrade(pInjector, mInjector))();
}

// NOTE:// Not using 'ParentInjectorPromise.all()' (which is inherited from 'SyncPromise'), because
// Closure Compiler (or some related tool) complains:// 'TypeError: ...$.src$downgrade_component_ParentInjectorPromise.all is not a function'
SyncPromise.all([finalParentInjector, finalModuleInjector]).then(([pInjector, mInjector]) =>
  downgradeFn(pInjector, mInjector);)
}

ranAsync = true;
}

// bracket-notation because of closure - see #14441
parentInjectorPromise: InjectorPromise< Injector> = new ParentInjectorPromise(pInjector, mInjector);

resolve(injector: Injector): void {
  parentInjectorPromise.resolve(injector);
  // Release the element to prevent memory leaks.
  this.element = null !;

  // Resolve the promise.
  super.resolve(injector);
}

// Part of the upgrade/static/api?query=upgrade%2Fstatic library for hybrid upgrade apps that support AOT compilation

// This helper function returns a factory function that provides access to the Angular
// service identified by the `token` parameter.

// First ensure that the service to be downgraded is provided in an 'NgModule'
// that will be part of the upgrade application. For example, let's assume we have
// defined `HeroesService` with a token that is a function.
// In that case, we can downgrade the service like this:

// Inside an AngularJS component's controller we can get hold of the
// downgraded service via the name we gave when downgrading.
// The module that provides the downgraded service is instantiated until the Angular
// module that provides it is instantiated. In order to be safe, you need to ensure that
// the downgraded services are not used anywhere outside the part of the app where it is
// guaranteed that their module has been instantiated.
// For example, it is _OK_ to use a downgraded service in an
// upgraded component that is only used from a downgraded Angular component provided by the same Angular
// module as the Injectable, but it is _not_ OK to use it in an AngularJS component that may be used
// independently of Angular or use it in a downgraded Angular component from a different module.

// This option is only necessary when using `downgradeModule()` to downgrade more than one
// Angular module.

// @param token an `InjectionToken` that identifies a service provided from Angular.
// (This option is only necessary when using `downgradeModule()` to downgrade more than one
// Angular module.)

// A helper function to allow an Angular service to be accessible from AngularJS.

/**
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 *
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 */

import {Injector} from '@angular/core';
import {IInjectorService} from './angular1';
import {$INJECTOR, INJECTOR_KEY} from './constants';
import {getTypeName, isFunction, validateInjectionKey} from './util';

/**
 * @description
 *
 * A helper function to allow an Angular service to be accessible from AngularJS.
 *
 * *Part of the
 * [upgrade/static](api?query=upgrade%2Fstatic)
 * library for hybrid upgrade apps that support AOT compilation
 *
 * @usageNotes
 * ### Examples
 *
 * First ensure that the service to be downgraded is provided in an `NgModule
 * that will be part of the upgrade application. For example, let's assume we have a
 * `HeroesService` with a token that is a function.
 * In that case, we can downgrade the service like this:
 *
 * Inside an AngularJS component's controller we can get hold of the
 * downgraded service via the name we gave when downgrading.
 * The module that provides the downgraded service is instantiated until the Angular
 * module that provides it is instantiated. In order to be safe, you need to ensure that
 * the downgraded services are not used anywhere _outside_ the part of the app where it is
 * guaranteed that their module has been instantiated.
 * For example, it is _OK_ to use a downgraded service in an
 * upgraded component that is only used
 * from a downgraded Angular component provided by the same Angular
 * module as the Injectable, but it is _not_ OK to use it in an AngularJS component that may be used
 * independently of Angular or _use it in a downgraded Angular component from a different module_.
 * This option is only necessary when using `downgradeModule()` to downgrade more than one
 * Angular module.
 *
 * @param token an `InjectionToken` that identifies a service provided from Angular.
 * (This option is only necessary when using `downgradeModule()` to downgrade more than one
 * Angular module.)

/**
 * @param token an `InjectionToken` that identifies a service provided from Angular.
 * (This option is only necessary when using `downgradeModule()` to downgrade more than one
 * Angular module.)

// A helper function to allow an Angular service to be accessible from AngularJS.

/**
 * @license

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  that can be found in the LICENSE file at https://angular.io/license

*/

import {ElementRef, Injector, SimpleChanges} from '@angular/core';
import {DirectiveRequireProperty, IAugmentedJQuery, ICloneAttachFunction, ICompileService, IController, IControllerService, IDirective, IHttpBackendService, IInjectorService, ILinkFn, IScope, ITemplateCacheService, SingleOrListOrMap, element as angularElement} from './angular1';
import {$COMPILE, $CONTROLLER, $HTTP_BACKEND, $INJECTOR, $TEMPLATE_CACHE} from './constants';
import {controllerKey, directiveNormalize, isFunction} from './util';

const REQUIRE_PREFIX_RE = /^(\^\^?)?(\?)?(\^\^?)?/;

export interface IBindingDestination {
  [key: string]: any;
  $onChanges?: (changes: SimpleChanges) => void;
}

export interface IControllerInstance extends IBindingDestination {
  $doCheck?: () => void;
  $onDestroy?: () => void;
  $onInit?: () => void;
  $postLink?: () => void;
}

export class UpgradeHelper {
  public readonly $injector: IInjectorService;
  public readonly element: Element;
  public readonly $element: IAugmentedJQuery;
  public readonly directive: IDirective;

  private readonly $compile: ICompileService;
  private readonly $controller: IControllerService;

  constructor(
      private injector: Injector, private name: string, elementRef: ElementRef, directive?: IDirective) {
    this.$injector = injector.get($INJECTOR);
    this.$compile = this.$injector.get($COMPILE);
    this.$controller = this.$injector.get($CONTROLLER);

    this.element = elementRef.nativeElement;
    this.$element = angularElement(this.element);

    this.directive = directive || UpgradeHelper.getDirective(this.$injector, name);
  }

    const directives: IDirective[] = $injector.get(name + 'Directive');
    if (directives.length > 1) {
      throw new Error(`Only support single directive definition for: ${name}`);
    }

    const directive = directives[0];

    // AngularJS will transform `link: xyz` to `compile: () => xyz`. So we can only tell there was an
    // user-defined `compile` if there is no `link`. In other cases, we will just ignore `compile`.
    if (directive.compile && !directive.link) notSupported(name, 'compile');
    if (directive.replace) notSupported(name, 'replace');
    if (directive.terminal) notSupported(name, 'terminal');

    return directive;
  }

  static getTemplate($injector: IInjectorService, directive: IDirective, fetchRemoteTemplate = false, $element?: IAugmentedJQuery): string|Promise<string> {
    if (directive.template !== undefined) {
      return getOrCall<string>(directive.template, $element);
    } else if (directive templateUrl) {
      const $templateCache = $injector.get($TEMPLATE_CACHE) as ITemplateCacheService;
      const url = getOrCall<string>(directive templateUrl, $element);
      const template = $templateCache.get(url);

      if (template !== undefined) {
        return template;
      } else if (!fetchRemoteTemplate) {
        throw new Error('loading directive templates asynchronously is not supported');
      }

      return new Promise((resolve, reject) => {
        const $httpBackend = $injector.get($HTTP_BACKEND) as IHttpBackendService;
        $httpBackend('GET', url, null, (status: number, response: string) => {
          if (status === 200) {
            resolve($templateCache.put(url, response));
          } else {
            reject(`GET component template from '${url}' returned '${status}: ${response}'`);
          }
        });
      });
    } else {
      throw new Error(`Directive '${directive.name}' is not a component, it is missing template.`);
    }
  }

  buildController(controllerType: IController, $scope: IScope) {
    const locals = {'$scope': $scope, '$element': this.$element};
    const controller = this.$controller(controllerType, locals, null, this.directive.controllerAs);

    this.$element.data !(controllerKey(this.directive.name !), controller);

    return controller;
  }

  compileTemplate(template?: string): ILinkFn {
    if (template === undefined) {
      template = UpgradeHelper.getTemplate(this.$injector, this.directive, false, this.$element) as string;
    }

    return this.compileHtml(template);
  }

  onDestroy($scope: IScope, controllerInstance?: any) {
    if (controllerInstance && isFunction(controllerInstance.$onDestroy)) {
      controllerInstance.$onDestroy();
    }

    $scope.$destroy();

    // Clean the jQuery/jqLite data on the component+child elements.
    // Equivalent to how jQuery/jqLite invoke `cleanData` on an Element (this.element)
    // https://github.com/angular/angular.js/blob/26dcd5f830f920a3d22f4b2aadb70d86d4d688c82/src/jqLite.js#L306-
  }

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L312
`cleanData` will invoke the AngularJS `$destroy` DOM event.

https://github.com/angular/angular.js/blob/26ddc5f830f902a3d22f4b2aab70d86d4d688c82/src/Angular.js#L1911-L1924

angularElement.cleanData(this.element);

angularElement.cleanData(this.element.querySelectorAll('*'));

```
angularElement.cleanData((this.element));
```

```javascript
angularElement.cleanData(this.element.querySelectorAll('*'));
```

```javascript
prepareTransclusion(): ILinkFn
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prepareTransclusion(): ILinkFn
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prepareTransclusion(): ILinkFn
```
private resolveRequire(require: DirectiveRequireProperty, controllerInstance?: any):
  $null | $null return null

  return require.map((req) => this.resolveRequire(req)).$null

  getOrCall<T>(property: T | Function, ...args: any[]): T
    return isFunction(property)
              ? property(...args)
              : property;

  isMap<T>(value: SingleOrListOrMap<T>): value is {
    [key: string]: T
      }

  isSupported(name: string, feature: string)
    throw new Error(`Upgraded directive '${name}' contains unsupported feature: '${feature}'.`);
switch (bindingType) {
  case '@':
  case '<':
    this.inputs.push(inputName);
    this.inputsRename.push(inputNameRename);
    this.propertyMap[inputName] = propName;
    break;
  case '=':
    this.inputs.push(inputName);
    this.inputsRename.push(inputNameRename);
    this.propertyMap[inputName] = propName;
    break;
  case '&':
    this.outputs.push(outputName);
    this.outputsRename.push(outputNameRename);
    this.propertyMap[outputName] = propName;
    break;
  default:
    let json = JSON.stringify(context);
    throw new Error(`Unexpected mapping '${bindingType}' in '${json}' in '${this.name}' directive.`);
}

/**
 * Upgrade ng1 components into Angular.
 */
static resolve(
  exportedComponents: {[name: string]: UpgradeNg1ComponentAdapterBuilder},
  $injector: IInjectorService): Promise<string[]> {
  const promises = Object.keys(exportedComponents).map(name => {
    const exportedComponent = exportedComponents[name];
    exportedComponent.directive = UpgradeHelper.getDirective($injector, name);
    exportedComponent.extractBindings();

    return Promise.resolve(UpgradeHelper.getTemplate($injector, exportedComponent.directive, true))
      .then(template => exportedComponent.template = template);
  });

  return Promise.all(promises);
}

class UpgradeNg1ComponentAdapter implements OnInit, OnChanges, DoCheck {
  private controllerInstance: IControllerInstance|null = null;
  destinationObj: IBindingDestination|null = null;
  checkLastValues: any[] = [];
  directive: IDirective;
  element: Element;
  $element: any = null;
  componentScope: IScope;

  constructor(
    private helper: UpgradeHelper,
    scope: IScope,
    private template: string,
    private inputs: string[],
    private outputs: string[],
    private propOuts: string[],
    private checkProperties: string[],
    private propertyMap: {[key: string]: string}) {
    this.directive = helper.directive;
    this.element = helper.element;
    this.$element = helper.$element;
    this.componentScope = scope.$new(!!thisdirective.scope);

    const controllerType = this.directive.controller;
    const bindToController = this.directive.bindToController && & & controllerType;

    if (this.directiveInstance
      = this.helper.buildController(controllerType, this.componentScope);
      this.destinationObj = this.controllerInstance
        else {
        this.destinationObj = this.componentScope;
      }

      for (let i = 0; i < inputs.length; i++) {
        (this as any)[inputs[i]] = null;
      }
      for (let j = 0; j < outputs.length; j++) {
        this.outputs[j] = new EventEmitter<any>();
        if (this.propOuts.indexOf(outputs[j]) === -1)
          this.setComponentProperty(
            outputs[j], (emitter => (value: any) => emitter.emit(value))(emitter));
      }
      for (let k = 0; k < propOuts.length; k++) {
        this.checkLastValues.push(INITIAL_VALUE);
      }

      this.ngOnInit(); // Collect contents, insert and compile template
      const attachChildNodes: ILinkFn|undefined = this.helper.prepareTransclusion();
      const linkFn = this.helper.compileTemplate(this.template);
      // Instantiate controller (if not already done so)
      const controllerType = this.directive.controller;
      const bindToController = this.directive.bindToController;
      if (controllerType && !bindToController) {
        this.controllerInstance
          = this.helper.buildController(controllerType, this.componentScope);
      }
      this.ngOnInit(); // Require other controllers
      const requiredControllers =
        this.helper.resolveAndBindRequiredControllers(this.controllerInstance);
      this.ngOnInit(); // Hook: $onInit
      if (this.controllerInstance
        && isFunction(this.controllerInstance.$onInit)) {
        this.controllerInstance.$onInit();
      }
      const postLink = typeof this.directive.link == 'object' && & & link.pre;
      const postLink = typeof this.directive.link == 'object' && & & link.pre;
      const postLink = typeof this.directive.link == 'object' && & & link.pre;
      const postLink = typeof this.directive.link == 'object' && & & link.pre;
      this.controllerInstance.$onPostLink();
      this.ngOnChanges();
      this.ngOnChanges();
      this.ngOnChanges();
      this.ngOnChanges();
      forEach(name => {
        const change: SimpleChange = changes[name];
        this.setComponentProperty(name, change.currentValue);
        ngIChanges[this.propertyMap[name]] = change;
      });
if (isFunction(this.destinationObj.$onChanges)) {
  this.destinationObj.$onChanges(ng1Changes);
}

const lastValues = this.checkLastValues;
const checkProperties = this.checkProperties;
const propOuts = this.propOuts;
checkProperties.forEach((propName, i) => {
  const value = this.destinationObj[propName];
  const last = lastValues[i];
  if (!strictEquals(last, value)) {
    const eventEmitter: EventEmitter<any> = (this as any)[propOuts[i]];
    eventEmitter.emit(lastValues[i] = value);
  }
});

if (this.controllerInstance &&
isFunction(this.controllerInstance.$doCheck)) {
  this.controllerInstance.$doCheck();
}

ngOnDestroy() { this.helper.onDestroy(this.componentScope, this.controllerInstance); }

setComponentProperty(name: string, value: any) {
  this.destinationObj[this.propertyMap[name]] = value;
}

/**
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 *
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 */

import {Compiler, CompilerOptions, Injector, NgModule, NgModuleRef, NgZone, StaticProvider, Testability, Type, isDevMode, resolveForwardRef} from '@angular/core';
import {platformBrowserDynamic} from '@angular/platform-browser-dynamic';

import {IAngularBootstrapConfig, IAugmentedJQuery, IInjectorService, IModule, IProvideService, IRootScopeService, ITestabilityService, bootstrap, element as angularElement, module as angularModule} from '../../common/src/angular1';
import {$$TESTABILITY, $COMPILE, $INJECTOR, $ROOT_SCOPE, COMPILER_KEY, INJECTOR_KEY, LAZY_MODULE_REF, NG_ZONE_KEY, UPGRADE_APP_TYPE_KEY} from '../../common/src/constants';
import {downgradeComponent} from '../../common/src/downgrade_component';
import {downgradeInjectable} from '../../common/src/downgrade_injectable';
import {Deferred, LazyModuleRef, UpgradeAppType, controllerKey, onError} from '../../common/src/util';

import {UpgradeNg1ComponentAdapterBuilder} from './upgrade_ng1_adapter';

let upgradeCount: number = 0;

/**
 * Use `UpgradeAdapter` to allow AngularJS and Angular to coexist in a single application.
 *
 * The `UpgradeAdapter` allows:
 * 1. creation of Angular component from AngularJS component directive
 *    (See [UpgradeAdapter#upgradeNg1Component()])
 * 2. creation of AngularJS directive from Angular component.
 *    (See [UpgradeAdapter#downgradeNg2Component()])
 * 3. Bootstrapping of a hybrid Angular application which contains both of the frameworks
 *    coexisting in a single application.
 * 4. Angular components always execute inside Angular framework codebase regardless of
 *    where they are instantiated.
 * 5. An AngularJS component can be upgraded to an Angular component. This creates
 *    an Angular directive, which bootstraps the AngularJS component directive in that location.
 * 6. An Angular component can be downgraded to an AngularJS component directive. This creates
 *    a hybrid of AngularJS component, which bootstraps the Angular component in that location.
 * 7. Whenever an adapter component is instantiated the host element is owned by the framework
 *    doing the instantiation. The other framework then instantiates and owns the view for
 *    that AngularJS directive.
 * 8. AngularJS directives always execute inside AngularJS framework codebase regardless of
 *    where they are instantiated.
 * 9. An AngularJS component can be upgraded to an Angular component. This creates
 *    an Angular directive, which bootstraps the AngularJS component directive in that location.
 * 10. An Angular component can be downgraded to an AngularJS component directive. This creates
 *    a hybrid of AngularJS component, which bootstraps the Angular component in that location.
 * 11. The syntax is always that of Angular syntax.
 * 12. AngularJS is always bootstrapped first and owns the bottom most view.
 * 13. The new application is running in Angular zone, and therefore it no longer needs calls
 *    to `$apply()`.
 *
 * @usageNotes
 * ### Mental Model
 *
 * When reasoning about how a hybrid application works it is useful to have a mental model which
 * describes what is happening and explains what is happening at the lowest level. The most
 * intuitive model is when the hybrid is composed of two independent frameworks running in a
 * single application, each framework treats the other as a black box. Each DOM element on the
 * page is owned exactly by one framework. Whichever framework instantiated the element is the
 * owner. Each framework only updates/interacts with its own DOM elements and ignores others.
 * AngularJS directives always execute inside AngularJS framework codebase regardless of
 * where they are instantiated. Angular components always execute inside Angular framework
 * codebase regardless of
 *
 * where they are instantiated. An AngularJS component can be upgraded to an Angular component. This creates
 * Angular directive, which bootstraps the AngularJS component directive in that location.
 * An Angular component can be downgraded to an AngularJS component directive. This creates
 * an Angular directive, which bootstraps the Angular component in that location.
 * Whenever an adapter component is instantiated the host element is owned by the framework
 * doing the instantiation. The other framework then instantiates and
 * owns the view for that AngularJS directive.
 * This implies that component bindings will always follow the semantics of
 * the instantiation framework. The syntax is always that of Angular syntax.
 * AngularJS is always bootstrapped first and owns the bottom most view.
 * The new application is running in Angular zone, and therefore it no longer needs calls
 * to `$apply()`.
 * The new application is running in Angular zone, and therefore it no longer needs calls
 * to `$apply()`.
 */

const adapter = new UpgradeAdapter(forwardRef(() => MyNg2Module), myCompilerOptions);
const module = angular.module('myExample', []);
module.directive('ng2-comp', adapter.downgradeNg2Component(Ng2Component));
module.directive('ng1-hello', function() {
  return {
    selector: 'ng2-comp',
    template: 'ng2-[Hello {{title}}]!<span ng-transclude></span>',
    controller: function(
      \n      scope: \{ title: '=' \},\n      \n      \n    }
  });
});

const module = angular.module('myExample', []);
module.directive('ng2-comp', adapter.downgradeNg2Component(Ng2Component));
module.directive('ng1-hello', function() {
  return {
    selector: 'ng2-comp',
    template: 'ng2-[Hello {{title}}]!<span ng-transclude></span>',
    controller: function(
      \n      scope: \{ title: '=' \},\n      \n      \n    }
  });
});
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```javascript
*   directives: \n * }) \n * class Ng2Component { \n * } \n * @NgModule({ \n *   declarations: [Ng2Component, 
 *     adapter.upgradeNg1Component('ng1Hello')], \n *   imports: [BrowserModule] \n * }) \n * class MyNg2Module {} \n * adapter.bootstrap(document.body, ['myExample']).ready(function() { \n *   expect(document.body.textContent).toEqual('ng2[ng1[Hello World!](transclude)](project)\n * '); \n * }); \n * 
 * @NgModule({ \n *   declarations: [Ng2Component], \n *   imports: [BrowserModule] \n * }) \n * class MyNg2Module {}
 *
* document.body.innerHTML = '<ng2-comp name="World">text</ng2-comp>';
*
*
* adapter.bootstrap(document.body, ['myExample']).ready(function() {
*   expect(document.body.textContent).toEqual('ng2 template: Hello world! - text');
* });
* ```

* ```
* *
* @deprecated Deprecated since v5. Use `upgrade/static` instead, which also supports
* [Ahead-of-

* Time compilation](guide/aot-compiler).\n * @publicApi
* ```

```
```
Definition Object](https://docs.angularjs.org/api/ng/service/$compile) are not supported because the host element is owned by Angular, which does not allow modifying DOM structure during compilation.

- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `template`: supported.
- `templateUrl`: supported.
- `transclude`: supported.
- `controller`: supported. (NOTE: injection of `$attrs` and `$transclude` is not supported.)
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported. (NOTE: only pre-link function is supported.)
- `name`: supported.
- `priority`: ignored.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `template`: supported.
- `templateUrl`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
- `controller`: supported.
- `controllerAs`: supported.
- `bindToController`: supported.
- `link`: supported.
- `replace`: not supported.
- `require`: supported.
- `restrict`: must be set to 'E'.
- `scope`: supported.
- `transclude`: supported.
function(rootScopeDelegate: IRootScopeService) { 
  // Capture the root apply so that we can delay first 
  // call to $apply until we've // bootstrap Angular and then we replay and restore the $apply.
  rootScopePrototype = rootScopeDelegate.constructor.prototype;
  if (rootScopePrototype.hasOwnProperty('$apply')) {
    originalSapplyFn = rootScopePrototype.$apply;
    rootScopePrototype.$apply = (exp: any) => delayApplyExp.push(exp);
  } else {
    throw new Error('Failed to find \'$apply\' on \'RootScope\'!');
  }

  provide.decorator($$TESTABILITY, [ 
    'S$TABILITY', $delegate, 
    function(testabilityDelegate: ITestabilityService) {
      const originalWhenStable: Function = testabilityDelegate.whenStable;
      // Cannot use arrow function below because we need the context
      const newWhenStable = function(this: unknown, callback: Function) {
        originalWhenStable.call(this, function() {
          const ng2Testability: Testability =
            upgradeAdapter.moduleRef!.injector.get(Testability);
          if (ng2Testability.isStable()) {
            callback.apply(this, arguments);
          } else {
            ng2Testability.whenStable(newWhenStable.bind(this, callback));
            return testabilityDelegate;
          }
        });
      }
      testabilityDelegate.whenStable = newWhenStable;
      return testabilityDelegate;
    }
  ]);}

UpgradeNg1ComponentAdapterBuilder.resolve(this.ng1ComponentsToBeUpgraded, ng1Injector).then(() => {
  // Note: There is a bug in TS 2.4 that prevents us from // inlining this into @NgModule
  // TODO(tbosch): find or file a bug against TypeScript for this.
  const ngModule = {
    providers: [
      {provide: $INJECTOR, useFactory: () => ng1Injector},
      {provide: $COMPILE, useFactory: () => ng1Injector.get($COMPILE)},
      this.upgradedProviders
    ],
    imports: [resolveForwardRef(this.ng2AppModule)],
    entryComponents: this.downgradedComponents
  }; 
  // At this point we have ng1 injector and we have prepared // ng1 components to be 
  // upgraded, we now can bootstrap ng2. @NgModule({jit: true, ...ngModule})
  class DynamicNgUpgradeModule {
    constructor() {}
    ngDoBootstrap() {}
  }

  platformRef
    .bootstrapModule(
        DynamicNgUpgradeModule, [this.compilerOptions!,
          {ngZone: this.ngZone}])
    .then((ref: NgModuleRef<any>) => {
      this.moduleRef = ref;
      this.ngZone.run(() => {
        if (rootScopePrototype) {
          rootScopePrototype.$apply = original$applyFn;  // restore original $apply
          while (delayApplyExp.length) {
            rootScope.$apply(delayApplyExp.shift());
          }
        }
      });
    })
    .catch((e) => {
      this.ng2BootstrapDeferred.reject(e);
    });

return rootScope.$evalAsync(() => {}); return rootScope.$digest();
return rootScope.$digest();

let subscription = this.ng2BootstrapDeferred.subscribe((e) => {
  if (isDevMode()) {
    console.warn('A digest was triggered while one was already in progress. This may mean that something is triggering digests outside the Angular zone.');
  }
  subscription.unsubscribe();
});

*ngClass: ParentInjectorPromise */
*/return rootScope.$destroy();!*

return rootScope.$destroy();

this.ng2BootstrapDeferred.reject(e);

**return rootScope.$destroy();**

return rootScope.$destroy();

if (this.injector) {
  this.callbacks.push((callback) => {
    this_callbacks.push(callback);
  });
}

else {
  this.callbacks.push((callback) => {
    this_callbacks.push(callback);
  });
}

this.callbacks.push((callback) => {
    this_callbacks.push(callback);
  });

if (this.injector) {
  this.callbacks.push(callback);
}
element data to point to the real injector
this.element.data !(controllerKey(INJECTOR_KEY), injector);
// clean out the element to prevent memory leaks
this.element = null !;
// run all the queued callbacks
this.callbacks.forEach((callback) => callback(injector));
this.callbacks.length = 0 !;

/**
 * Use `UpgradeAdapterRef` to control a hybrid AngularJS / Angular application.
 * @deprecated Deprecated since v5. Use `upgrade/static` instead, which also supports
 * [Ahead-of-Time compilation](guide/aot-compiler).
 * @publicApi
 */
export class UpgradeAdapterRef {
  /* @internal */
  private _readyFn: ((upgradeAdapterRef: UpgradeAdapterRef) => void)|null = null !;

  public ng1RootScope: IRootScopeService = null !;
  public ng1Injector: IInjectorService = null !;
  public ng2ModuleRef: NgModuleRef<any> = null !;
  public ng2Injector: Injector = null !;

  /* @internal */
  private _bootstrapDone(ngModuleRef: NgModuleRef<any>, ng1Injector: IInjectorService) {
    this.ng2ModuleRef = ngModuleRef;
    this.ng2Injector = ngModuleRef.injector;
    this.ng1Injector = ng1Injector;
    this.ng1RootScope = ng1Injector.get($ROOT_SCOPE);
    this._readyFn && this._readyFn(this);
  }

  /**
   * Register a callback function which is notified upon successful hybrid
   * AngularJS / Angular application has been bootstrapped.
   * @return {UpgradeAdapterRef} The `ready` callback function is invoked
   * inside the Angular zone, therefore it does not require a call to `$apply()`.
   */
  public ready(fn: (upgradeAdapterRef: UpgradeAdapterRef) => void) { this._readyFn = fn; }

  /**
   * Dispose of running hybrid AngularJS / Angular application.
   */
  public dispose() {
    this.ng1Injector.get($ROOT_SCOPE).$destroy();
    this.ng2ModuleRef.destroy();
  }
}

/* GENERATED bundle index. Do not edit. */
export * from './index';
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src.zip/fesm2015/upgrade.js.map

No license file was found, but licenses were detected in source scan.

["version":3,"file":"static__testing.js","sources":["../../../../../../../packages/upgrade/src/common/src/angular1.ts","../../../../../../../packages/upgrade/src/common/src/constants.ts","../../../../../../../packages/upgrade/static/testing/src/create_angular_testing_module.ts","../../../../../../../packages/upgrade/static/testing/src/create_angularjs_testing_module.ts","../../../../../../../packages/upgrade/static/testing/public_api.ts","../../../../../../../packages/upgrade/static/testing/index.ts","../../../../../../../packages/upgrade/static/testing/testing.ts"]}
found in the LICENSE file at https://angular.io/license

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that
can be found in the LICENSE file at https://angular.io/license
 */

import {Injector, NgModule, Type} from '@angular/core';

import * as angular from '../../../src/common/src/angular1';
import {INJECTOR, INJECTOR_KEY, UPGRADE_APP_TYPE_KEY} from '../../../src/common/src/constants';
import {UpgradeAppType} from '../../../src/common/src/util';

let $injector: angular.IInjectorService|null = null;
let injector: Injector;

export function $injectorFactory() {
  return $injector;
}

@NgModule({providers: [{provide: INJECTOR, useFactory: $injectorFactory}]})
export class AngularTestingModule {
  constructor(i: Injector) { injector = i; }
}

/**
 * A helper function to use when unit testing Angular services that depend upon
upgraded AngularJS services.
 *
 * This function returns an `NgModule` decorated class that is configured to
wire up the Angular and AngularJS injectors without the need to actually bootstrap a hybrid application.
 * This makes it simpler and faster to unit test services.
 *
 * Use the returned class as an "import" when
configuring the `TestBed`.
 *
 * In the following code snippet, we are configuring the TestBed with two
imports.
 * The `Ng2AppModule` is the Angular part of our hybrid application and the `ng1AppModule` is the
AngularJS part.
 *
 * <code-example path="upgrade/static/ts/full/module.spec.ts" region="angular-
setup"></code-example>
 *
 * Once this is done we can get hold of services via the Angular `Injector` as
normal.

 * Services that are (or have dependencies on) an upgraded AngularJS service, will be instantiated as
needed by the AngularJS `Injector`. In the following code snippet, `HeroesService` is an Angular service
that depends upon an AngularJS service, `titleCase`.
 *
 * <code-example
path="upgrade/static/ts/full/module.spec.ts" region="angular-spec"></code-example>
 *
 * Here is the example application and its unit tests that use
`createAngularTestingModule` and
`createAngularJSTestingModule`.

 * @param angularJSModules a
collection of the names of AngularJS modules to include in the
configuration.

 * @param [strictDi] whether the
AngularJS injector should have `strictDI` enabled.
 *
 * @publicApi
 */
export function createAngularTestingModule(
    angularJSModules: string[], strictDi?: boolean): Type<any> {
angular.module_('$$angularJSTestingModule', angularJSModules)
  .constant(UPGRADE_APP_TYPE_KEY,

A helper function to use when unit testing AngularJS services that depend upon downgraded Angular services. This function returns an AngularJS module that is configured to wire up the AngularJS and Angular.js injectors without the need to actually bootstrap a hybrid application. This makes it simpler and faster to unit test services.

The helper is for testing services not components. For Component testing you must still bootstrap a hybrid app. See `UpgradeModule` or `downgradeModule` for more information.

Only call this helper once per spec. Do not use `createAngularJSTestingModule` in the same spec as `createAngularTestingModule`. Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.

```typescript
export {createAngularTestingModule} from './src/create_angular_testing_module';
export {createAngularJSTestingModule} from './src/create_angularjs_testing_module';
```

---

The resulting configuration does not wire up AngularJS digests to Zone hooks. It is the test writer's responsibility to call `$rootScope.$apply`, as necessary, to trigger AngularJS handlers of async events from Angular.

The helper sets up global variables to hold the shared Angular and AngularJS injectors.

Only call this helper once per spec. Do not use `createAngularJSTestingModule` in the same spec as `createAngularTestingModule`. Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.

```typescript
export * from './public_api';

export {module_ as ɵangular_packages_upgrade_static_testing_testing_a} from '../../src/common/src/angular1';
export {INJECTOR_KEY as ɵangular_packages_upgrade_static_testing_testing_d, UPGRADE_APP_TYPE_KEY as ɵangular_packages_upgrade_static_testing_testing_b} from '../../src/common/src/constants';
export ...
```
{UpgradeAppType as \texttt{\_angular\_packages\_upgrade\_static\_testing\_testing\_c}} from
`./src/common/src/util`;

```javascript

```

Found in path(s):

```
No license file was found, but licenses were detected in source scan.

Angular

The sources for this package are in the main [Angular](https://github.com/angular/angular) repo. Please file issues and pull requests against that repo.

Usage information and reference details can be found in [Angular documentation](https://angular.io/docs).

License: MIT

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```javascript
/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */
```

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm2015/static/src/downgrade_module.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm2015/static/testing/src/create_angularjs_testing_module.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/src/dynamic/src/upgrade_ng1_adapter.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/src/common/src/component_info.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/src/common/src/constants.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/src/common/src/downgrade_component.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/public_api.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/static/testing/src/create_angularjs_testing_module.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/esm5/src/common/src/component_info.js
No license file was found, but licenses were detected in source scan.

```javascript
/*
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

export type Ng1Token = string;

export type Ng1Expression = string | Function;

export interface IAnnotatedFunction extends Function {
  // Older versions of `@types/angular` typings extend the global `Function` interface with
  // `$inject?: string[]`, which is not compatible with `$inject?: ReadonlyArray<string>` (used in
  // latest versions).
  $inject?: Function
    extends { $inject?: string[] }? Ng1Token[] : ReadonlyArray<Ng1Token>;
}

export type IInjectable = (Ng1Token | Function)[] | IAnnotatedFunction;

export type SingleOrListOrMap<T> = T | T[] | { [key: string]: T };

export interface IModule {
  name: string;
  requires: (string|IInjectable)[];
  config(fn: IInjectable): IModule;
  directive(selector: string, factory: IInjectable): IModule;
  component(selector: string, component: IComponent): IModule;
  controller(name: string, type: Injectable): IModule;
  config(key: Ng1Token, factoryFn: Injectable): IModule;
  run(a: Injectable): IModule;
  require(name: string): IModule;
  requireAll(): IModule;
}

export interface ICompileService {
  (element: Element|NodeList|Node[]|string, transclude?: Function): ILinkFn;
}
export interface ILinkFn {
  (scope: IScope, cloneAttachFn?: ICloneAttachFunction, options?: ILinkFnOptions): IAugmentedJQuery;
  $$slots?: {
    [slotName: string]: ILinkFn;
  };
  $$link?: Function;
}
```

boolean): Element[];
  getLocation(): string;
  setLocation(url: string): void;
  whenStable(callback: Function): void;
  $render(): void;
  $isNotEmpty(value: any): boolean;
  $setValidity(validationErrorKey: string, isValid: boolean): void;
  $setPristine(): void;
  $setDirty(): void;
  $commitViewValue(): void;
  $setViewValue(value: any, trigger: string): void;
  $viewValue: string;
  $modelValue: any;
  $parsers: Function[];
  $formatters: Function[];
  $validators: {
    [key: string]: Function;
  };
  $asyncValidators: {
    [key: string]: Function;
  };
  $viewChangeListeners: Function[];
  $error: Object;
  $pending: Object;
  $untouched: boolean;
  $touched: boolean;
  $pristine: boolean;
  $dirty: boolean;
  $valid: boolean;
  $invalid: boolean;
  $name: string;

  @ngModel
  @ MODEL
  @ Model
  @ NgModel
  @NgModel

  $COMPILE = '$compile';
  $CONTROLLER = '$controller';
  $DELEGATE = '$delegate';
  $EXCEPTION_HANDLER = '$exceptionHandler';
  $HTTP_BACKEND = '$httpBackend';
  $INJECTOR = '$injector';
  $INTERVAL = '$interval';
  $PARSE = '$parse';
  $PROVIDE = '$provide';
  $ROOT_SCOPE = '$rootScope';
  $SCOPE = '$scope';
  $TEMPLATE_CACHE = '$templateCache';
  $TEMPLATE_REQUEST = '$templateRequest';

  $SINJECTOR = '$injector';
  $SINTERVAL = '$interval';
  $SPARSE = '$sparse';
  $SROOT_SCOPE = '$rootScope';
  $STEMPLATE_CACHE = '$templateCache';
  $STEMPLATE_REQUEST = '$templateRequest';
  $STESTABILITY = '$$testability';
  $COMPILER = '$$UpgradeModule';
  $DOWNGRADED_MODULE_COUNT_KEY = '$$angularDowngradedModuleCount';
  $GROUP_PROJECTABLE_NODES_KEY = '$$angularGroupProjectableNodes';
  $SINJECTOR = '$injector';
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  $STEMPLATE_CACHE = '$templateCache';
  $STEMPLATE_REQUEST = '$templateRequest';
  $STESTABILITY = '$$testability';
  $COMPILER = '$$ Upgrade Module';
  $DOWNGRADED_MODULE_COUNT_KEY = '$$ angularDowngraded Module Count Key';
  $GROUP_PROJECTABLE NODES_KEY = '$$ angular Group Projectable Nodes';
  $INJECTOR_KEY = '$$angular Injector';
  $LAZY_MODULE_REF = '$$angular Lazy Module Ref';
  $NG_ZONE_KEY = '$$angular Ng Zone';
  $UPGRADE_APP_TYPE_KEY = '$$angular Upgrade App Type';
  $REQUIRE_INJECTOR = '$'^'$' + INJECTOR_KEY';
  $REQUIRE_NG_MODEL = '$ng Model';

import {Injector, NgModule, Type} from '@angular/core';

import * as angular from '../../../src/common/src/angular1';
import {$INJECTOR, INJECTOR_KEY, UPGRADE_APP_TYPE_KEY} from '../../../src/common/src/constants';

let $injector: angular.IInjectorService|null = null;
let injector: Injector;

export function $injectorFactory() {
  return $injector;
}

@NgModule({providers: [{provide: $INJECTOR, useFactory: $injectorFactory}]
}
export class AngularTestingModule {
  constructor(i: Injector) { injector = i; }
}

/**
 * A helper function to use when unit testing Angular services that depend upon
 * upgraded AngularJS * services.
 * This function returns an 'NgModule' decorated class that is configured to
 * wire up the Angular\n * and AngularJS injectors without the need to actually bootstrap a hybrid application.\n * This makes it simpler and faster to unit test services.\n * Use the returned class as an `import` when
 * configuring the `TestBed`.\n * In the following code snippet, we are configuring the TestBed with two
 * imports.\n * The 'Ng2AppModule' is the Angular part of our hybrid application and the 'ng1AppModule' is the\n * AngularJS part.\n * Once this is done we can get hold of services via the Angular 'Injector' as
 * normal.\n * Services that are (or have dependencies on) an upgraded AngularJS service, will be instantiated\n * as needed by the AngularJS 'Injector'.\n * In the following code snippet, 'HeroesService' is an Angular service that
 * depends upon an\n * AngularJS service, 'titleCase'.\n * Here is the example application and its unit tests that use `createAngularTestingModule`
 * and
 * `createAngularJSTestingModule`.
 *
 * <code-tabs>
 *  <code-pane header="module.spec.ts" path="upgrade/static/ts/full/module.spec.ts"></code-pane>
 *  <code-pane header="module.ts" path="upgrade/static/ts/full/module.ts"></code-pane>
 * </code-tabs>
 *
 * @param angularJSModules a
 * collection of the names of AngularJS modules to include in the
 * configuration.\n * @param [strictDi] whether the
 * AngularJS injector should have `strictDI` enabled.\n * Do not use `createAngularTestingModule` in the same spec as `createAngularJSTestingModule`.
 * See `createAngularJSTestingModule` instead.\n * @param [strictDi] whether the
 * AngularJS injector should have `strictDI` enabled.\n *
 * The resulting configuration does not wire up AngularJS digests to Zone
 * hooks. It is the\n * responsibility of the test writer to call `$rootScope.$apply`, as necessary, to trigger\n * AngularJS
 * handlers of async events from Angular.\n * The helper sets up global variables to hold the shared Angular and AngularJS injectors.\n * Only call this helper once per
 * spec.\n * Do not use `createAngularTestingModule` in the same spec as `createAngularJSTestingModule`.\n * Here is the example application and its unit tests that use `createAngularTestingModule` and
 * `createAngularJSTestingModule`.
 */
export function createAngularTestingModule(
    angularJSModules: string[], strictDi?: boolean): Type<any> {

  angular.module_('$$angularJSTestingModule', angularJSModules)
    .constant(UPGRADE_APP_TYPE_KEY, UpgradeAppType.Static)
    .factory(INJECTOR_KEY, (i) => injector).injector = angular.injector([ng', '$$AngularJSTestingModule'], strictDi);\n  return AngularTestingModule;
}
`Ng2AppModule`, which is the Angular part.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-setup"></code-example>
```

Once this is done we can get hold of services that are (or have dependencies on) a downgraded Angular service, will be instantiated as needed by the Angular root `Injector`.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

In the following code snippet, `heroesService` is a downgraded Angular service that we are accessing from AngularJS.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-setup"></code-example>
```

The helper sets up global variables to hold the shared Angular and AngularJS injectors.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

This helper is for testing services not components.

```typescript
export function createAngularJSTestingModule(angularModules: any[]): string {
  return ng.module_('_$$angularJSTestingModule', 
                      angularModules.map(m => m.name)).
                       .constant(UPGRADE_APP_TYPE_KEY,
                             UpgradeAppType.Static)
                       .factory(INJECTOR_KEY, 
                             
                           ($injector: ng.IInjectorService) => {
                             TestBed.configureTestingModule({'
                              imports: angularModules,
                             providers: [
                             ]}
                           );
                           return TestBed.inject(INJECTOR);
                       })
                       .name;
}
```

The resulting configuration does not wire up AngularJS digest to Zone hooks. It is the responsibility of the test writer to call `$rootScope.$apply`, as necessary, to trigger AngularJS handlers of async events from Angular.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

The helper is for testing services not components.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

Do not use `createAngularJSTestingModule` in the same spec as `createAngularTestingModule`.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

Only call this helper once per spec.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

Do not use `createAngularJSTestingModule` in the same spec as `createAngularTestingModule`.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

The helper sets up global variables to hold the shared Angular and AngularJS injectors.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

The helper sets up global variables to hold the shared Angular and AngularJS injectors.

```typescript
<code-example path="upgrade/static/ts/full/module.spec.ts" region="angularjs-spec"></code-example>
```

The helper sets up global variables to hold the shared Angular and AngularJS injectors.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-
zip/fesm2015/static/testing.js.map

No license file was found, but licenses were detected in source scan.

{"version":3,"sources":[]}
between a property name and an attribute name. It is parsed from a string of the form
`prop: attr` or simply `propAndAttr` where the property and attribute have the same identifier.

```
var PropertyBinding = /** @class */ (function () {
    function PropertyBinding(prop, attr) {
        this.prop = prop;
        this.attr = attr;
        this.parseBinding();
    }
    PropertyBinding.prototype.parseBinding = function () {
        this.bracketAttr = `\[${this.attr} + `;
        this.parenAttr = `\($\)\_${this.attr}`;
        this.bracketParenAttr = `\[(\_${this.attr})\]`;
        var capitalAttr = this.attr.charAt(0).toUpperCase() + this.attr.substr(1);
        this.onAttr = `on\_${capitalAttr}`;
        this.bindAttr = `bind\_${capitalAttr}`;
        this.bindonAttr = `bindon\_${capitalAttr}`;
        @license * Copyright Google Inc. All Rights Reserved. *
        * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license *
```
ngModel.$render = function () { component.writeValue(ngModel.$viewValue); }

component.registerOnChange(ngModel.$setViewValue.bind(ngModel));

if (typeof component.registerOnTouched === 'function') {
  component.registerOnTouched(ngModel.$setTouched.bind(ngModel));
}

/**
 * Test two values for strict equality, accounting for the fact that `NaN !== NaN`.
 */
function strictEquals(val1, val2) {
  return val1 === val2 || (val1 !== val1 && val2 !== val2);
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 * 
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */
var INITIAL_VALUE = {
  __UNINITIALIZED__: true
};

var DowngradeComponentAdapter = /** @class */ (function () {
  function DowngradeComponentAdapter(element, attrs, scope, ngModel, parentInjector, $injector, $compile, $parse, componentFactory, wrapCallback) {
    this.element = element;
    this.attrs = attrs;
    this.scope = scope;
    this.ngModel = ngModel;
    this.parentInjector = parentInjector;
    this.$injector = $injector;
    this.$compile = $compile;
    this.$parse = $parse;
    this.componentFactory = componentFactory;
    this.wrapCallback = wrapCallback;
    this.implementsOnChanges = false;
    this.inputChangeCount = 0;
    this.componentScope = scope.$new();
  }

  DowngradeComponentAdapter.prototype.compileContents = function () {
    var _this = this;
    var compiledProjectableNodes = [];
    var projectableNodes = this.groupProjectableNodes();
    var linkFns = projectableNodes.map(function (nodes) { return _this.$compile(nodes); });
    this.element.empty();
    linkFns.forEach(function (linkFn) {
      linkFn(this.scope, function (clone) {
        compiledProjectableNodes.push(clone);
        this.element.append(clone);
      });
    });
  }

  DowngradeComponentAdapter.prototype.createComponent = function (projectableNodes) {
    var providers = [{ provide: $SCOPE, useValue: this.componentScope }];
    var childInjector = core.Injector.create({
      providers: providers, parent: this.parentInjector, name: 'DowngradeComponentAdapter'
    });
    this.componentRef = this.componentFactory.create(childInjector, projectableNodes, this.element[0]);
    this.viewChangeDetector = this.componentRef.injector.get(core.ChangeDetectorRef);
    this.changeDetector = this.componentRef.changeDetectorRef;
    this.component = this.componentRef.instance;
    // testability hook is commonly added during component bootstrap in
    // packages/core/src/application_ref.bootstrap()
    // in downgraded application, component creation will take place here as well as adding the
    // testability hook.
    if (testability) {
      this.componentRef.injector.get(core.Testability, null);
      var var observables = this.componentRef.injector.get(core.TestabilityRegistry);
      this.registerApplication(this.componentRef.location.nativeElement, testability);
    }
    hookupNgModel(this.ngModel, this.component);
  }

  DowngradeComponentAdapter.prototype.setupInputs = function (manuallyAttachView, propagateDigest) {
    var _this = this;
    if (propagateDigest === void 0) { propagateDigest = true; }
    var attrs = this.attrs;
    var inputs = this.componentFactory.inputs || [];
    var _loop_1 = function (i) {
      var input = new PropertyBinding(inputs[i].propName, inputs[i].templateName);
      var expr = null;
      if (attrs.hasOwnProperty(input.attr)) {
        var observeFn_1 = (function (prop) {
          var prevValue = INITIAL_VALUE;
          return function (currValue) {
            if (!strictEquals(prevValue, currValue)) {
              if (prevValue === INITIAL_VALUE) {
                prevValue = currValue;
              }
              _this.updateInput(prop, prevValue, currValue);
              prevValue = currValue;
            }
          };
        })(input.prop);
        attrs.$observe(input.attr, observeFn_1);
        // Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time
        // for `$onChanges()` . This is necessary if we are already in a `$digest`,
        // which means that
        // `$onChanges()` (which is called by a watcher) will run before the `$observe()`
        // callback.
        var unwatch_1 = this.componentScope.$watch(function () {
          var value = input
        }));
      }
    }, i, inputs.length);
    this.componentRef.injector.get(core.TestabilityRegistry).registerApplication(this.componentRef.location.nativeElement, testability);
  }

  return this;
};

(function () {
  function DowngradeComponentAdapter(element, attrs, scope, ngModel, parentInjector, $injector, $compile, $parse, componentFactory, wrapCallback) {
    this.element = element;
    this.attrs = attrs;
    this.scope = scope;
    this.ngModel = ngModel;
    this.parentInjector = parentInjector;
    this.$injector = $injector;
    this.$compile = $compile;
    this.$parse = $parse;
    this.componentFactory = componentFactory;
    this.wrapCallback = wrapCallback;
    this.implementsOnChanges = false;
    this.inputChangeCount = 0;
    this.componentScope = scope.$new();
  }

  DowngradeComponentAdapter.prototype.compileContents = function () {
    var _this = this;
    var compiledProjectableNodes = [];
    var projectableNodes = this.groupProjectableNodes();
    var linkFns = projectableNodes.map(function (nodes) { return _this.$compile(nodes); });
    this.element.empty();
    linkFns.forEach(function (linkFn) {
      linkFn(this.scope, function (clone) {
        compiledProjectableNodes.push(clone);
        this.element.append(clone);
      });
    });
  }

  DowngradeComponentAdapter.prototype.createComponent = function (projectableNodes) {
    var providers = [{ provide: $SCOPE, useValue: this.componentScope }];
    var childInjector = core.Injector.create({
      providers: providers, parent: this.parentInjector, name: 'DowngradeComponentAdapter'
    });
    this.componentRef = this.componentFactory.create(childInjector, projectableNodes, this.element[0]);
    this.viewChangeDetector = this.componentRef.injector.get(core.ChangeDetectorRef);
    this.changeDetector = this.componentRef.changeDetectorRef;
    this.component = this.componentRef.instance;
    // testability hook is commonly added during component bootstrap in
    // packages/core/src/application_ref.bootstrap()
    // in downgraded application, component creation will take place here as well as adding the
    // testability hook.
    if (testability) {
      this.componentRef.injector.get(core.Testability, null);
      var var observables = this.componentRef.injector.get(core.TestabilityRegistry);
      this.registerApplication(this.componentRef.location.nativeElement, testability);
    }
    hookupNgModel(this.ngModel, this.component);
  }

  DowngradeComponentAdapter.prototype.setupInputs = function (manuallyAttachView, propagateDigest) {
    var _this = this;
    if (propagateDigest === void 0) { propagateDigest = true; }
    var attrs = this.attrs;
    var inputs = this.componentFactory.inputs || [];
    var _loop_1 = function (i) {
      var input = new PropertyBinding(inputs[i].propName, inputs[i].templateName);
      var expr = null;
      if (attrs.hasOwnProperty(input.attr)) {
        var observeFn_1 = (function (prop) {
          var prevValue = INITIAL_VALUE;
          return function (currValue) {
            if (!strictEquals(prevValue, currValue)) {
              if (prevValue === INITIAL_VALUE) {
                prevValue = currValue;
              }
              _this.updateInput(prop, prevValue, currValue);
              prevValue = currValue;
            }
          };
        })(input.prop);
        attrs.$observe(input.attr, observeFn_1);
        // Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time
        // for `$onChanges()` . This is necessary if we are already in a `$digest`,
        // which means that
        // `$onChanges()` (which is called by a watcher) will run before the `$observe()`
        // callback.
        var unwatch_1 = this.componentScope.$watch(function () {
          var value = input
        }));
      }
    }, i, inputs.length);
    this.componentRef.injector.get(core.TestabilityRegistry).registerApplication(this.componentRef.location.nativeElement, testability);
  }

  return this;
}());
this.componentScope.$on('$destroy', function () {
    if (!destroyed) {
        destroyed = true;

        testabilityRegistry.unregisterApplication(_this.componentRef.location.nativeElement);
    }
  });
}

DowngradeComponentRef.prototype.getInjector = function () {
    return this.componentRef.injector;
};

DowngradeComponentRef.prototype.updateInput = function (prop, prevValue, currValue) {
    if (this.implementsOnChanges) {
        this.inputChanges[prop] = new core.SimpleChange(prevValue, currValue, prevValue === currValue);
    }
    this.component[prop] = currValue;
};

DowngradeComponentRef.prototype.groupProjectableNodes = function () {
    var ngContentSelectors = this.componentFactory.ngContentSelectors;
    var projectableNodes = [ ];
    for (var i = 0; i < ngContentSelectors.length; i++) {
        var ngContentIndex = findMatchingNgContentIndex(ngContentSelectors[i], this.component);
        if (ngContentIndex !== -1) {
            projectableNodes[ngContentIndex] = this.component;
        }
    }
    return projectableNodes;
};

DowngradeComponentRef.prototype.createNgContent = function (el, selector) {
    var ngContentIndex = findMatchingNgContentIndex(selector, this.componentFactory.ngContentSelectors);
    return ngContentFactory.createNgContent(ngContentIndex, el, selector);
};

DowngradeComponentRef.prototype.updateNgContent = function (idx, ngContent) {
    if (ngContentIndex !== -1) {
        this.componentFactory.ngContentSelectors[idx].push(ngContentIndex);
    }
    this.componentFactory.ngContentSelectors.sort();
    this.componentFactory.ngContentSelectors[idx].push(new SyncPromise());
    this.componentFactory.ngContentSelectors[idx].push();
    this.componentFactory.ngContentSelectors[idx].push(ngContent);
};

var ngContentFactory = /** @class */ (function () {
  function ngContentFactory() {

  }
  ngContentFactory.prototype.loadNgContent = function (location) {
      var ngContent = new SyncPromise();
      ngContent.load(location); return ngContent;
  };

  return ngContentFactory;
}());

/**
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 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

/**
 * @description
 * A helper function that allows an Angular component to be used from AngularJS.
 * *Part of the [upgrade/static](api?query=upgrade%2Fstatic) library for hybrid upgrade apps that support AOT
 * compilation* 
 * This helper function returns a factory function to be used for registering
 * an
AngularJS wrapper directive for "downgrading" an Angular component.

```
* @publicApi
* @returns a factory function that can be used to register the component in an AngularJS module.
* AngularJS module.

* component: Type<any>:
The type of the Component that will be downgraded:
* - `downgradedModule?: string`:
The name of the downgraded module (if any) that the component belongs to.
* @param info contains information about the Component that is being downgraded:
* - `component: Type<any>`:
The name of the downgraded component.
* @example upgrade/static/ts/full/module.ts region="ng2-heroes-wraper"}
```
bootstrap the downgraded
// `NgModule` and use its injector as both `finalModuleInjector` and
// `finalParentInjector` // - If there is a parent component (and thus a `parentInjector`) and we
are sure that it\n// belongs to the same `NgModule` as this downgraded component (e.g. because there
is only\n// one downgraded module, we use that `parentInjector` as both `finalModuleInjector` and\n// `finalParentInjector`).\n
// - If there is a parent component, but it may belong to a different
`NgModule`, then we\n// use the `parentInjector` as `finalParentInjector` and this downgraded
component\n// declaring `NgModule`’s injector as `finalModuleInjector`.\n
// Note 1: If the `NgModule` is already bootedstrapped, we just get its injector (we don\t\n// bootstrap again).\n
// Note 2: It is possible that (while there are multiple downgraded modules) this\n// downgraded component and its parent component both belong to the same NgModule.\n// In that
case, we could have used the `parentInjector` as both `finalModuleInjector` and
`finalParentInjector`, but (for simplicity) we are\n// treating this case as if they belong to different
`NgModule`s. That doesn\t\n// really affect anything, since `parentInjector` has `moduleInjector` as ancestor\n// and trying to resolve `ComponentFactoryResolver` from either one will return\n// the same instance.\n// If there is a parent component, use its injector as parent
injector.\n// If this is a \"top-level\" Angular component, use the module injector.\nvar\nfinalParentInjector = parentInjector || moduleInjector;\n// If this is a \"top-level\" Angular component or
the parent component may belong to an\n// different `NgModule`, use the module injector for module-
specific dependencies.\n// If there is a parent component that belongs to the same `NgModule`, use its
injector.\nvar finalModuleInjector = moduleInjector || parentInjector;\nvar doDowngrade = function (injector, moduleInjector) {\n    // Retrieve `ComponentFactoryResolver` from the injector tied
to the `NgModule` this\n    // component belongs to.\n    var componentFactoryResolver = moduleInjector.get(core.ComponentFactoryResolver);\n    var componentFactory =\n        componentFactoryResolver.resolveComponentFactory(info.component);\n    if (!componentFactory) {\n        throw new Error("Expecting ComponentFactory for: \" + getTypeName(info.component) + ");\n    }\n    var injectorPromise = new ParentInjectorPromise(element);\n    var facade = new DowngradeComponentAdapter(element, attrs, scope, ngModel, injector, $injector, $compile, $parse,\n        componentFactory, wrapCallback);\n    facade.createComponent(projectableNodes);\n    facade.setupInputs(isNgUpgradeLite,\n        info.propagateDigest);\n    facade.setupOutputs();\n    facade.registerCleanup();\n    facade.createComponent(projectableNodes);\n    facade.setupInputs(isNgUpgradeLite,\n        info.propagateDigest);\n    facade.setupOutputs();\n    facade.registerCleanup();
}

infectorPromise.resolve(facade.getInjector());\nif (ranAsync) {\n    // If this is run
async, it is possible that it is not run inside an
    // digest and initial input values will not be
detected.\n    scope.$evalAsync(function () { }());\n}\nvar\ndowngradeFn = !isNgUpgradeLite ? doDowngrade : function (pInjector, mInjector) {\nif (!ngZone) {\n    ngZone = pInjector.get(core.NgZone);\n}\n\nwrapCallback(function () { return doDowngrade(pInjector, mInjector); }());\n// NOTE:\n// Not using `ParentInjectorPromise.all()` (which is inherited from `SyncPromise`), because\n// Closure Compiler (or some related tool) complains:\n/* TypeError:
...
$src$downgrade\_component\_ParentInjectorPromise.all is not a function
*/

SyncPromise.all([finalParentInjector, finalModuleInjector])\n.then(function (_a) {\n    var _b = _read(_a, 2), pInjector = _b[0], mInjector = _b[1];\n    return downgradeFn(pInjector,\n        mInjector);\n});\n\nranAsync = true;\n\n// bracket-
notation because of closure - see #14441 \n\n// directiveFactory[\'Sinjector\'] = \$SIMPLE, \$INJECTOR,
SPARSE];\nreturn directiveFactory;\n/**\n* Synchronous promise-like object to wrap parent
injectors,\n* to preserve the synchronous nature of AngularJS\'s \$compile\n*\n* var ParentInjectorPromise = /** @class */ (function (_super) {\n    __extends(ParentInjectorPromise, _super);\n    function ParentInjectorPromise(element) {\n        var _this = _super.call(this) || this;\n        _this.element = element;\n        _this.injectorKey = controllerKey(INJECTOR_KEY);\n        // Store the promise on the element.
        

element.data(_this.injectorKey, _this); return _this; treating
ParentInjectorPromise.prototype.resolve
= function (injector) { // Store the real injector on the element.
    this.element.data(this.injectorKey, injector); }
    // Release the element to prevent memory leaks.
    this.element = null; treating
the promise. _super.prototype.resolve.call(this, injector); }
    return ParentInjectorPromise
    (SyncPromise));
    /*
     * Copyright Google Inc. All Rights Reserved.
     * Use of this source code is governed by an MIT-style license that can be
     * found in the LICENSE file at
     * https://angular.io/license
     */
    /**
     * @license
     * Copyright Google Inc. All Rights Reserved.
     *
     * Use of this source code is governed by an MIT-style license that can be
     * found in the LICENSE file at
     * https://angular.io/license
     */
    /**
     * @publicApi
     */
    VERSION = new
    core.Version('9.0.7');

    /**
     * @license
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     *
     * Use of this source code is governed by an MIT-style license that can be
     * found in the LICENSE file at
     * https://angular.io/license
     */
    // We have to do a little dance to get the ng1 injector into the module injector.
    // We store the ng1 injector so that the provider in the module injector can access it
    // Then we get the ng1 injector from the module injector, which triggers the provider to read
    // the stored injector and release the reference to it.
    var tempInjectorRef = null;
    function setTempInjectorRef(injector) {
        tempInjectorRef = injector;
    }
    function injectorFactory() {
        if (!tempInjectorRef) {
            throw new Error('Trying to get

the AngularJS injector before it being set.);\n } \n var injector = tempInjectorRef; tempInjectorRef = null; // clear the value to prevent memory leaks\n return injector; } \n function rootScopeFactory(i) {\n return i.get('$rootScope');\n } \n function compileFactory(i) {\n return i.get('$compile');\n } \n function parseFactory(i) {\n return i.get('$parse');\n } \n var angular1Providers = []; // We must use exported\n\n// named functions for the ng2 factories to keep the compiler happy:// > Metadata collected contains an error\n// that will be reported at runtime:// > // Function calls are not supported.:// > Consider replacing the\nfunction or lambda with a reference to an exported function

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 * @ngInject
 */
var NgAdapterInjector = /** @class */ (function () {
    function NgAdapterInjector(modInjector) {
        this.modInjector = modInjector;
    }
    NgAdapterInjector.prototype.get = function (token, notFoundValue) {
        return this.modInjector.get(token, notFoundValue);
    };
    return NgAdapterInjector;
}());

/**
 * @description
 * A helper function for creating an AngularJS module that
 * can bootstrap an Angular module
 * "on-demand" (possibly lazily) when a
 * @link UpgradeModule downgraded component
 * needs to be bootstrapped.
 * 
 * {{@example upgrade/static/ts/lite/module.ts region="basic-how-to"}}
 * 
 * For more details on how to use
 * @link UpgradeModule
 * 
 * <div class="alert is-important">
 *   You cannot use @link UpgradeModule and
 *   @link NgAdapterInjector in the same hybrid application.<br />
 *   Use one or the other.
 * </div>
 * 
 * ### Differences with @link UpgradeModule
 * 
 * Besides their different API, there are two important internal
 * differences between
 * @link UpgradeModule and @link NgAdapterInjector that affect the behavior of hybrid
 * applications:
 * 
 * 1. Unlike @link UpgradeModule, @link NgAdapterInjector does not bootstrap the main AngularJS
 *    module
 *    * inside the @link NgZone Angular zone.
 * 2. Unlike @link UpgradeModule,
 *    @link NgAdapterInjector does not automatically run a
 * 

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`$digest()` when changes are detected in the Angular part of the application. What this means is that applications using `UpgradeModule` will run change detection more frequently in order to ensure that both frameworks are properly notified about possible changes. This will inevitably result in more change detection runs than necessary. `downgradeModule()` on the other side, does not try to tie the two change detection systems as tightly, restricting the explicit change detection runs to only those cases where it knows it is necessary (e.g. when the inputs of a downgraded component change). This improves performance especially in change-detection-heavy applications, but leaves it up to the developer to manually notify each framework as needed. For a more detailed discussion of the differences and their implications, see [Upgrading for Performance](guide/upgrade-performance). You can manually trigger a change detection run in AngularJS using `$apply(...)` or `$rootScope.$digest()`. You can manually trigger a change detection run in Angular using `{@link NgZone#run | ngZone.run(...)} or `scope.$apply()`.

### Downgrading multiple modules

It is possible to downgrade multiple modules and include them in an Angular application. In that case, each downgraded module will be bootstrapped when an associated downgraded component or injectable needs to be instantiated. Things to keep in mind, when downgrading multiple modules: Each downgraded component/injectable needs to be explicitly associated with a downgraded module. See `downgradeComponent()` and `downgradeInjectable()` for more details.

- If you want some injectables to be shared among all downgraded modules, you can provide them as

```
  `StaticProvider`'s, when creating the `PlatformRef` (e.g. via `platformBrowser` or
  `platformBrowserDynamic`).
```

- When using `{@link PlatformRef#bootstrapmodule | bootstrapModule()} or `{@link PlatformRef#bootstrapmodulefactory | bootstrapModuleFactory()} to bootstrap them downgraded modules, each one is considered a `root` module. As a consequence, a new instance will be created for every injectable provided in `\``root\`` (via

```
  @inject Injectable@provideIn
```
)

For example, consider the following:

```javascript
platformBrowserDynamic().bootstrapModule(moduleFactoryOrBootstrapFn)
```

This will create a new `Angular` module to bootstrapping the corresponding Angular module.

```javascript
function downgradeModule(moduleFactoryOrBootstrapFn) {
    var lazyModuleName = UPGRADE_MODULE_NAME + ".lazy" + ++moduleUid;
    var lazyModuleRefKey = "" + LAZY_MODULE_REF + lazyModuleName;
    var lazyInjectorKey = "" + INJECTOR_KEY + lazyModuleName;
    var bootstrapFn = isFunction(moduleFactoryOrBootstrapFn)
        ? moduleFactoryOrBootstrapFn :
        function (extraProviders) {
            return platformBrowserDynamic().bootstrapModuleFactory(moduleFactoryOrBootstrapFn).then(function (ref) {
                injector = result.injector = new NgAdapterInjector(ref.injector);
            });
        };

    // Create an ng1 module to bootstrap.
    module(lazyModuleName, []).constant(UPGRADE_APP_TYPE_KEY, 3 /* Lite */).factory(INJECTOR_KEY, [lazyInjectorKey, identity]).factory(LAZY_MODULE_REF + LazyModuleRefKey, function () {
        return function (Angular) {
            return injector;
        };
    });
    injector.$injector = new injector.$injector;
}
```

This will create a new `Angular` module to bootstrapping the corresponding `Angular` module.

```javascript
platformBrowserDynamic().bootstrapModule(moduleFactoryOrBootstrapFn).then(function (ref) {
    injector = result.injector = new NgAdapterInjector(ref.injector);
}));
```

This will create a new `Angular` module to bootstrapping the corresponding `Angular` module.

```javascript
$injector.$injector = injector.$injector;
```

This will create a new `Angular` module to bootstrapping the corresponding `Angular` module.

```javascript
return lazyModuleName;
```

This will create a new `Angular` module to bootstrapping the corresponding `Angular` module.

```javascript
function identity(x) {
    return x;
}
```

This will create a new `Angular` module to bootstrapping the corresponding `Angular` module.

```javascript
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```

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MIT-style license that can be
* found in the LICENSE file at https://angular.io/license
 */
    // Constants
    var REQUIRE_PREFIX_RE = /^\^\^/;  

    // Classes
    var UpgradeHelper = /** @class */
        function UpgradeHelper(injector, name, elementRef, directive) { 
            this.injector = injector;
            this.name = name;
            this.element = elementRef.nativeElement;
            this.$compile = this.$compile = this.$injector.get($COMPILE);
            this.$controller = this.$injector.get($CONTROLLER);
        }
        UpgradeHelper.$inject = [injector, name, elementRef, directive];
        UpgradeHelper.prototype.getTemplate = function directUseUpgradeHelper($injector, directive, fetchRemoteTemplate, $element) {
            if (fetchRemoteTemplate === void 0) { fetchRemoteTemplate = false; }
            if (directive.template !== undefined) {
                return getOrCall(directive.template, $element);
            }
            else if (directive templateUrl) {
                var $templateCache_1 = $injector.get($TEMPLATE_CACHE);
                var url_1 = getOrCall(directive templateUrl, $element);
                var template = $templateCache_1.get(url_1);
                if (template !== undefined) {
                    return template;
                }
                else if (!fetchRemoteTemplate) { 
                    throw new Error('loading directive templates asynchronously is not supported');
                }
                return new Promise(function (resolve, reject) {
                    var $httpBackend = $injector.get($HTTP_BACKEND);
                    $httpBackend('GET', url_1, function (status, response) {
                        if (status === 200) {
                            resolve($templateCache_1.put(url_1, response));
                        }
                        else {
                            reject("GET component template from '" + url_1 + ": " + response + ";");
                        }
                    });
                });
            }
            else { 
                throw new Error("Directive '" + directive.name + "' is not a component, it is missing template.");
            }
        };
    UpgradeHelper.prototype.buildController = function $buildController(controllerType, $scope) {
        var locals = { '$scope': $scope, '$element': this.$element };
        var controller = this.$controller(controllerType, locals, null, this.directive.controllerAs);
        this.$element.data(controllerKey(this.directive.name), controller);
        return controller;
    };
    UpgradeHelper.prototype.compileTemplate = function compileTemplate(template) {
        if (template === undefined) {
            template = UpgradeHelper.getTemplate(this.$injector, this.directive, false, this.$element);
        }
        return this.compileHtml(template);
    };
    UpgradeHelper.prototype.onDestroy = function $onDestroy($scope, controllerInstance) {
        if (controllerInstance && isFunction(controllerInstance.$onDestroy)) {
            controllerInstance.$onDestroy();
        }
        $scope.$destroy();
        element.cleanData(
            this.element.querySelectorAll('*'));
    };
    UpgradeHelper.prototype.prepareTransclusion = function prepareTransclusion() {
        var $scope = this.$scope;
        var controllerInstance = this.$controller.$isControllerInstance($scope);
        var $element = this.$element;
        var template = this.directive.templateUrl;
        var directive = this.directive;
        var templateUrl = UpgradeHelper.getTemplate(this.$injector, directive, true, $element);
        var templateUrl = templateUrl;
        var template = UpgradeHelper.getTemplate(this.$injector, directive, false, $element);
        var directive = UpgradeHelper.getDirective(directive);  

    // AngularJS will transform `link: xyz` to `compile: () => xyz`. So we can only tell there was a
    // user-defined `compile` if there is no `link`. In other cases, we will just ignore `compile`
    if (directive.compile && (directive.compile & & !directive.link) 
        notSupported(name, 'compile');
    if (directive.replace) 
        notSupported(name, 'replace');
    if (directive.terminal) 
        notSupported(name, 'terminal');
    upgrade.directive('ngModel', ['$compile', function ($compile) {
        return $compile(convertControllerToTemplate($scope, $element));
    }]);
    if (directive.terminal) 
        notSupported(name, 'terminal');

    // TODO: Document that we do not pre-assign bindings on the controller instance.
    // Quoted properties below so that this code can be optimized with Closure Compiler.
    var locals = { '$scope': $scope, 'element': element };
    var controller = this.$controller(controllerType, locals, null, this.directive.controllerAs);
    $element.data(this.directive.name, controller);
    return controller;
    };
    UpgradeHelper.prototype.compileTemplate = function compileTemplate(template) {
        if (template === undefined) { 
            template = UpgradeHelper.getTemplate(this.$injector, directive, false, this.$element);
        }
        return this.compileHtml(template);
    };
    UpgradeHelper.prototype.onDestroy = function $onDestroy($scope, controllerInstance) {
        if (controllerInstance && isFunction(controllerInstance.$onDestroy)) { 
            controllerInstance.$onDestroy();
        }
        $scope.$destroy();
        element.cleanData(
            this.element.querySelectorAll('*'));
        // Clean the jQuery/jqLite data on the component+child elements.
        // Equivalent to how jQuery/jqLite invoke `cleanData` on an Element
        // https://github.com/angular/angular.js/blob/26ddc5f830f902a3d22f4b2aabb70d86d4d688c82/src/jqLite.js#L596-L512
        // `<cleanData>` will invoke the AngularJS `$destroy` DOM event
        // https://github.com/angular/angular.js/blob/26ddc5f830f902a3d22f4b2aabb70d86d4d688c82/src/Angular.js#L191-L192
        element.cleanData(this.element, this.element.querySelectorAll('*'));
        UpgradeHelper.prototype.prepareTransclusion = function prepareTransclusion() { 
            var _this = this; 
            var transclude = this.directive.transclude; 
            var contentChildNodes = this.extractChildNodes();
            var attachChildrenFn = function (scope, cloneAttachFn) {
                // Since AngularJS v1.5.8, `cloneAttachFn` will
            };
        });
    });

require;\n
};\n
UpgradeHelper.prototype.resolveRequire = function (require, controllerInstance) {\n
var _this = this;\n
if (!require) {\n
return null;\n
}\n
else if (Array.isArray(require)) {\n
return require.map(function (req) { return _this.resolveRequire(req); });\n
}\n
else if (typeof
require === 'object') {\n
var value_1 = {};\n
Object.keys(require).forEach(function (key) { return
value_1[key] = _this.resolveRequire(require[key]); });\n
return value_1;\n
}\n
else if (typeof
require === 'string') {\n
var match = require.match(REQUIRE_PREFIX_RE);\n
var inheritType
= match[1] || match[3];\n
var name_1 = require.substring(match[0].length);\n
var isOptional =
!!match[2];\n
var searchParents = !!inheritType;\n
var startOnParent = inheritType === '^^';\n
var ctrlKey = controllerKey(name_1);\n
var elem = startOnParent ? this.$element.parent() :
this.$element;\n
var value = searchParents ? elem.inheritedData(ctrlKey) : elem.data(ctrlKey);\n
if (!value && !isOptional) {\n
throw new Error(\"Unable to find required '\" + require + \"' in upgraded
directive '\" + this.name + \"'.\");\n
}\n
return value;\n
}\n
else {\n
throw
new Error(\"Unrecognized 'require' syntax on upgraded directive '\" + this.name + \"': \" + require);\n
}\n
};\n
return UpgradeHelper;\n }());\n function getOrCall(property) {\n
var args = [];\n
for (var _i =
1; _i < arguments.length; _i++) {\n
args[_i - 1] = arguments[_i];\n
}\n
return isFunction(property) ?
property.apply(void 0, __spread(args)) : property;\n }\n // NOTE: Only works for `typeof T !== 'object'`.\n
function isMap(value) {\n
return value && !Array.isArray(value) && typeof value === 'object';\n }\n
function notSupported(name, feature) {\n
throw new Error(\"Upgraded directive '\" + name + \"' contains
unsupported feature: '\" + feature + \"'.\");\n }\n\n /**\n * @license\n * Copyright Google Inc. All Rights
Reserved.\n *\n * Use of this source code is governed by an MIT-style license that can be\n * found in the
LICENSE file at https://angular.io/license\n */\n var NOT_SUPPORTED = 'NOT_SUPPORTED';\n var
INITIAL_VALUE$1 = {\n
__UNINITIALIZED__: true\n };\n var Bindings = /** @class */ (function () {\n
function Bindings() {\n
this.twoWayBoundProperties = [];\n
this.twoWayBoundLastValues = [];\n
this.expressionBoundProperties = [];\n
this.propertyToOutputMap = {};\n
}\n
return
Bindings;\n }());\n /**\n * @description\n *\n * A helper class that allows an AngularJS component to be
used from Angular.\n *\n * *Part of the [upgrade/static](api?query=upgrade%2Fstatic)\n * library for hybrid
upgrade apps that support AOT compilation.*\n *\n * This helper class should be used as a base class for
creating Angular directives\n * that wrap AngularJS components that need to be \"upgraded\".\n *\n *
@usageNotes\n * ### Examples\n *\n * Let's assume that you have an AngularJS component called
`ng1Hero` that needs\n * to be made available in Angular templates.\n *\n * {@example
upgrade/static/ts/full/module.ts region=\"ng1-hero\"}\n *\n * We must create a `Directive` that will make this
AngularJS component\n * available inside Angular templates.\n *\n * {@example
upgrade/static/ts/full/module.ts region=\"ng1-hero-wrapper\"}\n *\n * In this example you can see that we must
derive from the `UpgradeComponent`\n * base class but also provide an {@link Directive `@Directive`}
decorator. This is\n * because the AOT compiler requires that this information is statically available at\n *
compile time.\n *\n * Note that we must do the following:\n * * specify the directive's selector (`ng1-hero`)\n
* * specify all inputs and outputs that the AngularJS component expects\n * * derive from
`UpgradeComponent`\n * * call the base class from the constructor, passing\n * * the AngularJS name of the
component (`ng1Hero`)\n * * the `ElementRef` and `Injector` for the component wrapper\n *\n *
@publicApi\n */\n var UpgradeComponent = /** @class */ (function () {\n
/**\n
* Create a new
`UpgradeComponent` instance. You should not normally need to do this.\n
* Instead you should derive a new
class from this one and call the super constructor\n
* from the base class.\n
*\n
* {@example
upgrade/static/ts/full/module.ts region=\"ng1-hero-wrapper\" }\n
*\n
* * The `name` parameter should be
the name of the AngularJS directive.\n
* * The `elementRef` and `injector` parameters should be acquired from
Angular by dependency\n
* injection into the base class constructor.\n
*/\n
function
UpgradeComponent(name, elementRef, injector) {\n
this.name = name;\n
this.elementRef =
elementRef;\n
this.injector = injector;\n
this.helper = new UpgradeHelper(injector, name,
elementRef);\n
this.$injector = this.helper.$injector;\n
this.element = this.helper.element;\n

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Object.keys(context).forEach(function (propName) {
    var definition = context[propName];
    var bindingType = definition.charAt(0);
    switch (bindingType) {
        case '@':
        case '<':
            // We don't need to do anything special. They will be defined as inputs on the
            // upgraded component facade and the change propagation will be handled by
            // `ngOnChanges()`.
            break;
        case `=`, `&`:
            bindings.twoWayBoundProperties.push(propName);
            bindings.propertyToOutputMap[propName] = propName + 'Change';
            break;
        default:
            var json = JSON.stringify(context);
            throw new Error("Unexpected mapping '" + bindingType + "' in '" + json + "' in '" + _this.name + "' directive.");
    }
});

return bindings;
}

UpgradeComponent.prototype.initializeOutputs = function () {
    _this = this;
    // Initialize the outputs for `=` and `&` bindings
    this.bindings.twoWayBoundProperties.concat(this.bindings.expressionBoundProperties)
    .forEach(function (propName) {
        var outputName = _this.bindings.propertyToOutputMap[propName];
        _this[outputName] = new core.EventEmitter();
    });
}

UpgradeComponent.prototype.bindOutputs = function () {
    _this = this;
    // Bind `&` bindings to
    // the corresponding outputs
    this.bindings.expressionBoundProperties.forEach(function (propName) {
        var outputName = _this.bindings.propertyToOutputMap[propName];
        var emitter = _this[outputName];
        _this.bindingDestination[propName] = function (value) { return emitter.emit(value); }
    });
}

UpgradeComponent.prototype.forwardChanges = function (changes) {
    _this = this;
    // Forward input changes to `bindingDestination`
    Object.keys(changes).forEach(function (propName) { return _this.bindingDestination[propName] = changes[propName].currentValue; });
    if (isFunction(this.bindingDestination.$onChanges)) {
        this.bindingDestination.$onChanges(changes);
    }
}

/**
 * @license
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 * found in the LICENSE file at https://angular.io/license
 */

/**
 * @description
 *
 * An `NgModule`, which you import to provide AngularJS core services,
 * and has an instance method used to bootstrap the hybrid upgrade application.
 *
 * Specific platform libraries can be
 * found in the LICENSE file at https://angular.io/license
 *
 * The `@NgModule` package contains helping classes that allow AngularJS and Angular components
 * to be used together inside a hybrid upgrade application, which supports AOT compilation.
 * Specifically, the classes and functions in the `upgrade/static` module allow the following:
 * 1. Creation of an Angular directive that wraps and exposes an AngularJS component
 *    that can be used in an Angular.Js template. See `UpgradeComponent`.
 * 2. Creation of an AngularJS directive that wraps and exposes an Angular component
 *    that can be used in an AngularJS template. See `downgradeComponent`.
 * 3. Creation of an Angular root injector provider that wraps and exposes an AngularJS service
 *    so that it can be injected into an AngularJS context. See
 *    `@link UpgradeModule#upgrading-an-angular-1-service Upgrading an AngularJS service`.
 * 4. Creation of an AngularJS service that wraps and exposes an angular injectable
 *    so that it can be injected into an AngularJS context. See `downgradeInjectable`.
 * 3. Bootstrapping of a hybrid Angular application which contains both of the frameworks
 *    coexisting in a single application.
 * 4. The `upgrade/static` package contains helping classes that allow AngularJS and Angular components
 *    to be used together inside a hybrid upgrade application, which supports AOT compilation.
 * 1. Creation of an Angular directive that wraps and exposes an AngularJS component
 *    that can be used in an Angular.Js template. See `UpgradeComponent`.
 * 2. Creation of an AngularJS directive that wraps and exposes an Angular component
 *    that can be used in an AngularJS template. See `downgradeComponent`.
 */
element is the owner. Each framework only updates/interacts with its own
* DOM elements and ignores others.
* 3. AngularJS directives always execute inside the AngularJS framework codebase regardless of
where they are instantiated.
* 4. Angular components always execute inside the Angular framework codebase regardless of
where they are instantiated.
* 5. An AngularJS component can be \"upgraded\" to an
Angular component. This is achieved by
* defining an Angular directive, which bootsstraps the AngularJS
component at its location
* in the DOM. See \`UpgradeComponent\`.
* 6. An Angular component can be \"downgraded\" to an
AngularJS component. This is achieved by
* defining an AngularJS directive, which
bootsstraps the Angular component at its location
* in the DOM. See \`downgradeComponent\`.
* Whenever an \"upgraded\" \"downgraded\" component is instantiated the host element is owned by
* the framework doing the instantiation. The other framework then instantiates and owns the
* view for that component.

1. This implies that the component bindings will always follow the semantics of the
instantiation framework
* 2. The DOM attributes are parsed by the framework that owns the current template.

So\n* attributes in AngularJS templates must use kebab-case, while AngularJS templates must use\ncamelCase.\n* 3. However the template binding syntax will always use the Angular style, e.g. square\n* brackets (\`[...,]\`) for property binding.
* 8. Angular is bootstrapped first; AngularJS is bootstrapped second.
AngularJS always owns the\n* root component of the application.\n* 9. The new application is running in an
Angular zone, and therefore it no longer needs calls to
* \`$apply()\`.
* 4. Angular components always execute inside the Angular framework codebase
* regardless of
where they are instantiated.
* 5. An AngularJS component can be \"upgraded\" to an
Angular component. This is achieved by
* defining an Angular directive, which bootsstraps the AngularJS
component at its location
* in the DOM. See \`UpgradeComponent\`.
* 6. An Angular component can be \"downgraded\" to an
AngularJS component. This is achieved by
* defining an AngularJS directive, which
bootsstraps the Angular component at its location
* in the DOM. See \`downgradeComponent\`.
* Whenever an \"upgraded\" \"downgraded\" component is instantiated the host element is owned by
* the framework doing the instantiation. The other framework then instantiates and owns the
* view for that component.

### The \`UpgradeModule\` class

This class is an \`NgModule\`, which you import to provide AngularJS core
services, and has an instance method used to bootstrap the hybrid upgrade application.

Core AngularJS services

Importing this \`NgModule\` will add providers for the core\n* [AngularJS services](https://docs.angularjs.org/api/ng/service) to the root injector.

* It also contains properties to access the only root injector
* [AngularJS $injector](https://docs.angularjs.org/api/auto/service/$injector).

### Examples

Import the \`UpgradeModule\` into your top level \`NgModule\`.

```
@NgModule
import { UpgradeModule } from '@angular/core';

@NgModule({
  bootstrap: [AppComponent],
  providers: [UpgradeModule
                .bootstrapUpgradeModule(AppComponent, 
                [UpgradeModule]),
               AppComponent],
})
export class AppModule {

  // do AngularJS stuff
}
```

Finally, kick off the whole
process, by bootstrapping your top level Angular\`NgModule\`.

```
UpgradeModule.bootstrapUpgradeModule(AppComponent, 
UpgradeModule, 
UpgradeModule); 
```

### Upgrading an AngularJS service

Instead you should just follow the following recipe:

Let's say you have an AngularJS service:

```
function doSomething() {
  console.log('AngularJS doing something...');
}
```

Then you should define an Angular provider to be included in your \`NgModule\`'s providers
* property:

```
  providers: [
    { provide: MyAngularJsService, useClass: MyAngularJsService }
  ],
```

Then you can use the \`upgrade\` AngularJS service by injecting it into an Angular component
* or service:

```
  constructor(private myAngularJsService: MyAngularJsService) {
    console.log('AngularJS doing something...');
  }
```

```
windowAngular.resumeBootstrap = function () {
    var originalResumeBootstrap_1 = windowAngular.resumeBootstrap;
    var ngZone_1 = this.ngZone;
    windowAngular.resumeBootstrap = originalResumeBootstrap_1;
    return ngZone_1.run(function () {
        return windowAngular.resumeBootstrap.apply(this, arguments);
    });
};
UpgradeModule = __decorate([core.NgModule({ providers: [angular1Providers] })], UpgradeModule);
return UpgradeModule;

/**
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 *
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 */

exports.UpgradeComponent = UpgradeComponent;
exports.UpgradeModule = UpgradeModule;
exports.VERSION = VERSION;
exports downgradeComponent = downgradeComponent;
exports downgradeInjectable = downgradeInjectable;
exports downgradeModule = downgradeModule;
exports.angular_packages_upgrade_static_static_a = injectorFactory;
exports.angular_packages_upgrade_static_static_b = rootScopeFactory;
exports.angular_packages_upgrade_static_static_c = compileFactory;
exports.angular_packages_upgrade_static_static_d = parseFactory;
exports.angular_packages_upgrade_static_static_e = angular1Providers;
Object.defineProperty(exports, '_esModule', { value: true });
*/

/**
 * @license Angular v9.0.7
 * (c) 2010-2020 Google LLC. https://angular.io/
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 */

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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/fesm2015/static/testing.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/fesm5/static/testing.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/bundles/upgrade-static.umd.min.js.map

No license file was found, but licenses were detected in source scan.
**/opt/ws_local/PERMITS_SQL/1047774535_159199783.98/0/angular-upgrade-9-0-7-src-zip/fesm2015/static.js

**/opt/ws_local/PERMITS_SQL/1047774535_159199783.98/0/angular-upgrade-9-0-7-src-zip/fesm5/upgrade.js

**/opt/ws_local/PERMITS_SQL/1047774535_159199783.98/0/angular-upgrade-9-0-7-src-zip/fesm2015/upgrade.js

No license file was found, but licenses were detected in source scan.

```javascript
```

The `angular-upgrade` package is used in MSX SD-WAN Service Pack 3.9.0. It includes AngularJS modules with strict DI and static testing. No license file was found, but licenses were detected in source scan.
See the Apache Version 2.0 License for specific language governing permissions and limitations under the License.
function setAngularLib(ng) {
    setAngularJSGlobal(ng);
} /*
 * @deprecated Use `getAngularJSGlobal` instead.
 */

function getAngularLib() {
    return getAngularJSGlobal();
} /*
 * Returns the current AngularJS global.
 */

function getAngularJSGlobal() {
    return angular;
}

var bootstrap = function (e, modules, config) {
    return angular.bootstrap(e, modules, config);
};

var module_ = function (prefix, dependencies) {
    return angular.module(prefix, dependencies);
};

var element = (function (e) { return angular.element(e); });

element.cleanData = function (nodes) { return angular.element.cleanData(nodes); };

var injector = function (modules, strictDi) { return angular.injector(modules, strictDi); };

var resumeBootstrap = function () { return angular.resumeBootstrap(); };

var getTestability = function (e) { return angular.getTestability(e); };

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 */

var $injector = null;

function AngularTestingModule(i) {
    injector$1 = i;
}

AngularTestingModule = __decorate([core.NgModule({ providers: [{ provide: $INJECTOR, useFactory: $injectorFactory }], __metadata("design:paramtypes", [core.Injector]) })], AngularTestingModule);

/**
 * A helper function to use when unit testing Angular services that depend upon upgraded AngularJS
 * services.
 *
 * This function returns an `NgModule` decorated class that is configured to wire up the Angular
 * and AngularJS injectors without the need to actually bootstrap a hybrid application.
 * This makes it simpler and faster to unit test services.
 *
 * Use this helper as an "import" when configuring the `TestBed`.
 *
 * In the following code snippet, we are configuring the TestBed with two imports:
 * The `Ng2AppModule` is the Angular part of our hybrid application and the `ng1AppModule` is the
 * AngularJS part.
 *
 * Once this is done we can get hold of services via the Angular `Injector` as normal.
 * Services that are (or have dependencies on) upgraded AngularJS service, will be instantiated as needed by the AngularJS `Injector`.
 *
 * In the following code snippet, 'HeroesService' is an Angular service that depends upon AngularJS
 * services. In this function returns an 'NgModule' decorated class that is configured to wire up the Angular
 * and AngularJS injectors without the need to actually bootstrap a hybrid application.
 * This makes it simpler and faster to unit test services.
 *
 * Use the returned class as an \"import\" when configuring the 'TestBed'.
 */

return AngularTestingModule;
* responsibility of the test writer to call `\$rootScope.$apply`, as necessary, to trigger
* AngularJS handlers of async events from Angular.
* The helper sets up global variables to hold the shared Angular and AngularJS injectors.
* Only call this helper once per spec.
* Do not use `createAngularTestingModule` in the same spec as `createAngularJSTestingModule`.
* Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.
* AngularJS modules to include in the configuration.
* @param [strictDi] whether the AngularJS injector should have `strictDi` enabled.
* Do not use `createAngularJSTestingModule` in the same spec as `createAngularTestingModule`.
* Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.

```javascript
@publicApi
function createAngularTestingModule(angularJSModules, strictDi) {

    module_('$$angularJSTestingModule', angularJSModules)
        .constant(UPGRADE_APP_TYPE_KEY, 2 /* Static */)
        .factory(INJECTOR_KEY, function () {
            $injector = injector(["ng", '$$angularJSTestingModule'], strictDi);
            return AngularTestingModuleModule;
        })
        .name;
}

/**
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 */

/**
 * A helper function to use when unit testing AngularJS services that depend upon downgraded Angular services.
 * This function returns an AngularJS module that is configured to wire up the AngularJS and Angular
 * injectors without the need to actually bootstrap a hybrid application.
 * This makes it simpler and faster to unit test services.
 * Use the returned AngularJS module in a call to
 * `angular.mocks.module` to include this module in the unit test injector.
 * In the following code snippet, we are configuring the `\$injector` with two modules:
 * The AngularJS `ng1AppModule`, which is the AngularJS part of our hybrid application and the
 * `Ng2AppModule`, which is the Angular part.
 * This helper is for testing services not components.
 * For Component testing you must still bootstrap a hybrid app. See `UpgradeModule` or `downgradeModule` for more information.
 * This helper returns the AngularJS injectors as normal.
 * Services that are (or have dependencies on) a downgraded Angular service, will be instantiated as needed by the Angular root
 * `\$injector`.
 * In the following code snippet, `heroesService` is a downgraded Angular service that we are accessing from AngularJS.
 * Only call this helper once per spec.
 * Do not use `createAngularTestingModule` in the same spec as `createAngularTestingModule`.
 * Here is the example application and its unit tests that use `createAngularTestingModule` and `createAngularJSTestingModule`.

```
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***************************************************************************** */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src.zip/bundles/upgrade.umd.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src.zip/bundles/upgrade.umd.min.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src.zip/bundles/upgrade-static.umd.js

No license file was found, but licenses were detected in source scan.

/*
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 *
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 */

export type Ng1Token = string;

export type Ng1Expression = string | Function;

export interface IAnnotatedFunction extends Function {
  $inject?: string;
}

export type IInjectable = (Ng1Token | Function);

export type SingleOrListOrMap<T> = T | T[] | { [key: string]: T };

export interface IModule {
  name: string;
  requires: (string | IInjectable)[];
  config(fn: IInjectable): IModule;
  require(name: string): IModule;
}

export interface ICompileService {
  (element: Element | ChildNode | Node[] | string, transclude?: Function): IAugmentedJQuery;
  ($slots: { [slotName: string]: ILinkFn[] }[]): IAugmentedJQuery;
  $$slots?: { [slotName: string]: ILinkFn[] }[];
}

export interface ILinkFnOptions {
  parentBoundTranscludeFn?: Function;
}

export interface IRootScopeService {
  $new(isolate?: boolean): IScope;
  $id: string;
  $parent: IScope;
  $root: IScope;
}
$$setValidity$$(/*validationErrorKey: string, isValid: boolean*/): void;
$$setPristine$$(): void;
$$setDirty$$(): void;
$$setUntouched$$(): void;
$$setTouched$$(): void;
$$rollbackViewValue$$(): void;
$$viewValue$$: any;
$$modelValue$$: any;
$$parsers$$: Function[];
$$formatters$$: Function[];
$$validators$$: {
  [key: string]: Function
};
$$asyncValidators$$: {
  [key: string]: Function
};
$$viewChangeListeners$$: Function[];
$$error$$: Object;
$$pending$$: Object;
$$untouched$$: boolean;
$$touched$$: boolean;
$$pristine$$: boolean;
$$dirty$$: boolean;
$$valid$$: boolean;
$$invalid$$: boolean;
$$name$$: string;

I$AngularBootstrapConfig = {ng: any} =>
    IInjectorService, boolean, string[] =>
    IModule, any, function: (e: string | Element | Document | IAugmentedJQuery): IAugmentedJQuery;

angular: {
  bootstrap: (e: Element, modules: (string | IInjectable)[], config?: IAngularBootstrapConfig) =>
                IInjectorService,
  module: (prefix: string, dependencies?: string[]) =>
                IModule,
  element: {
    (e: string | Element | Document | IAugmentedJQuery): IAugmentedJQuery;

    cleanData: (nodes: Node[] | NodeList) => void.;
  },
  injector: (modules: Array<string|IInjectable>, strictDi?: boolean) => IInjectorService,
  version: {major: number},
  resumeBootstrap: () => void.
};

try {
  if (window.hasOwnProperty('angular')) {
    angular = (<any>window).angular;
  }
} catch {
  // ignore in CJS mode.
}

/**
 * @deprecated Use `setAngularJSGlobal` instead.
 *
 * @publicApi
 */
export function setAngularLib(ng: any): void {
  setAngularJSGlobal(ng);
}

/**
 * @deprecated Use `getAngularJSGlobal` instead.
 *
 * @publicApi
 */
export function getAngularLib(): any {
  return getAngularJSGlobal();
}

/**
 * Resets the AngularJS global.
 *
 * Used when AngularJS is loaded lazily, and not available on `window`.
 *
 * @publicApi
 */
export function setAngularJSGlobal(ng: any): void {
  angular = ng;
}

/**
 * Returns the current AngularJS global.
 *
 * @publicApi
 */
export function getAngularJSGlobal(): any {
  return angular;
}

export const $COMPILE = '$compile';
export const $CONTROLLER = '$controller';
export const $DELEGATE = '$delegate';
export const $EXCEPTION_HANDLER = '$exceptionHandler';
export const $HTTP_BACKEND = '$httpBackend';
export const $INJECTOR = '$injector';
export const $INTERVAL = '$interval';
export const $PARSE = '$parse';
export const $PROVIDE = '$provide';
export const $ROOT_SCOPE = '$rootScope';
export const $SCOPE = '$scope';
export const $TEMPLATE_CACHE = '$templateCache';
export const $TEMPLATE_REQUEST = '$templateRequest';

export const $$TESTABILITY = '$$testability';

export const COMPILER_KEY = '$$angularCompiler';
export const DOWNGRADED_MODULE_COUNT_KEY = '$$angularDowngradedModuleCount';
export const GROUP_PROJECTABLE_NODES_KEY = '$$angularGroupProjectableNodes';
export const INJECTOR_KEY = '$$angularInjector';
export const LAZY_MODULE_REF = '$$angularLazyModuleRef';
export const NG_ZONE_KEY = '$$angularNgZone';
export const UPGRADE_APP_TYPE_KEY = '$$angularUpgradeAppType';
export const REQUIRE_INJECTOR = '?^\w*' + INJECTOR_KEY;
export const REQUIRE/ng_MODEL = '?ngModel';

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mapping between a property name and an attribute name. It is parsed from a string of the form "prop: attr"; or simply "propAndAttr" where the property and attribute have the same identifier.

```typescript
/*
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 */

import {Injector, Type} from '@angular/core';

import {IInjectorService, INgModelController} from './angular1';
import {DOWNGRADED_MODULE_COUNT_KEY, UPGRADE_APP_TYPE_KEY} from './constants';

const DIRECTIVE_PREFIX_REGEXP = /^(?:x|data)[\-_:]/i;
const DIRECTIVE_SPECIAL_CHARS_REGEXP = /\[\-_:]+(.)/g;

export function onError(e: any) {
  // TODO: (misko): We seem to not have a stack trace here!
  if (console.error) {
    console.error(e, e.stack);
  } else {
    // tslint:disable-next-line:no-console
    console.log(e, e.stack);
  }
  throw e;
}

export function controllerKey(name: string): string {
  return '$' + name + 'Controller';
}

export function directiveNormalize(name: string): string {
  return name.replace(DIRECTIVE_PREFIX_REGEXP, '' + replace(DIRECTIVE_SPECIAL_CHARS_REGEXP, (letter) => letter.toUpperCase()));
}

export function getTypeName(type: Type<any>): string {
  // Return the name of the type or the first line of its stringified version.
  return (type as any).overriddenName || type.name || type.toString().split('
')[0];
}

export function getDowngradedModuleCount($injector: IInjectorService): number {
  return $injector.has(DOWNGRADED_MODULE_COUNT_KEY) ? $injector.get(DOWNGRADED_MODULE_COUNT_KEY) : 0;
}

export function getUpgradeAppType($injector: IInjectorService): UpgradeAppType {
  return $injector.has(UPGRADE_APP_TYPE_KEY) ? $injector.get(UPGRADE_APP_TYPE_KEY) : UpgradeAppType.None;
}

export function isFunction(value: any): value is Function {
  return typeof value === 'function';
}

export function validateInjectionKey($injector: IInjectorService, downgradedModule: string, injectionKey: string, attemptedAction: string): void {
  const upgradeAppType = getUpgradeAppType($injector);
  const downgradedModuleCount = getDowngradedModuleCount($injector);

  // Check for common errors.
  switch (upgradeAppType) {
    case UpgradeAppType.Dynamic:
    case UpgradeAppType.Static:
      if (downgradedModule) {
        throw new Error(`Error while ${attemptedAction}: 'downgradedModule' unexpectedly specified. You should not specify a value for 'downgradedModule', unless you are downgrading more than one Angular module (via ` + getDowngradedModuleCount($injector) + ') case UpgradeAppType.Dynamic: in case UpgradeAppType.Static: if (downgradedModule) {
    throw new Error(`Error while $[attemptedAction]: 'downgradedModule' unexpectedly specified. You should not specify a value for ` + getDowngradedModuleCount($injector) + ');/>
  return new Error(`Error while $[attemptedAction]: Unable to find the specified downgraded module. ' + getDowngradedModuleCount($injector) + ' Did you forget to downgrade an Angular module or include it in the AngularJS application?');
}

// return new Error(`Error while $[attemptedAction]: Unable to find the specified downgraded module. ' + getDowngradedModuleCount($injector) + ' Did you forget to downgrade an Angular module or include it in the AngularJS application?');

// deferred class Deferred<R> {
  promise: Promise<R>;
  resolve!: (value?: R | PromiseLike<R>) => void;
  reject!: (error?: any) => void;

  constructor() {
    this.promise = new Promise((resolve, reject) => { this.resolve = resolve; this.reject = reject; });
  }
}

export interface LazyModuleRef {
  injector?: Injector;
  promise?: Promise<Injector>;
}
```
const enum UpgradeAppType {
    None,
    Dynamic,
    Static,
    Lite,
}

/**
 * @return
 * Whether the passed-in component implements the subset of the
 *     `ControlValueAccessor` interface needed for AngularJS `ng-model`
 *     compatibility.
 */
function supportsNgModel(component: any) {
    return typeof component.writeValue === 'function' &&
        typeof component.registerOnChange === 'function';
}

/**
 * Glue the AngularJS `NgModelController` (if it exists) to the component
 * (if it implements the needed subset of
 *     the `ControlValueAccessor` interface).
 */
export function hookupNgModel(ngModel: INgModelController,
    component: any) {
    if (ngModel && supportsNgModel(component)) {
        ngModel.$render = () => {
            component.writeValue(ngModel.$viewValue);
        };

        component.registerOnChange(ngModel.$setViewValue.bind(ngModel));
        if (typeof component.registerOnTouched === 'function') {
            component.registerOnTouched(ngModel.$setTouched.bind(ngModel));
        }
    }
}

/**
 * Test two values for
 * strict equality, accounting for the fact that `NaN !== NaN`.
 */
export function strictEquals(val1: any, val2: any): boolean {
    return val1 === val2 || (val1 !== val1 && val2 !== val2);
}

import {ApplicationRef, ChangeDetectorRef,
    ComponentFactory, ComponentRef, EventEmitter,
    Injector, OnChanges, SimpleChange, SimpleChanges,
    StaticProvider, Testability, TestabilityRegistry, Type} from
    '@angular/core';
import {IAttributes, IAugmentedJQuery, ICompileService, IInjectorService,
    INgModelController, IParseService, IScope} from
    './angular1';
import {PropertyBinding} from './component_info';
import {$SCOPE} from './constants';
import {getTypeName, hookupNgModel, strictEquals} from './util';

const INITIAL_VALUE = {
    __UNINITIALIZED__: true
};

export class DowngradeComponentAdapter {
    private implementsOnChanges = false;
    private inputChangeCount: number = 0;
    private inputChanges: SimpleChanges = {};
    private componentScope: IScope;
    // TODO(issue/24571): remove '!'.
    private componentRef !: ComponentRef<any>;
    private component: any;
    // TODO(issue/24571): remove '!'.
    private changeDetector !: ChangeDetectorRef;
    // TODO(issue/24571): remove '!'.
    private viewChangeDetector !: ChangeDetectorRef;

    constructor(
        private element: IAugmentedJQuery, private attrs: IAttributes, private scope: IScope,
        private ngModel: INgModelController, private parentInjector: Injector,
        private $injector: IInjectorService, private $compile: ICompileService,
        private $parse: IParseService, private componentFactory: ComponentFactory<any>,
        private wrapCallback: <T>(cb: () => T) => () => T) {
        this.componentScope = scope.$new();
    }

    compileContents(): Node[][] {
        const compiledProjectableNodes: Node[][] = [];
        const projectableNodes: Node[][] = this.groupProjectableNodes();
        const linkFns = projectableNodes.map(nodes =>
            this.$compile(nodes));

        this.element.empty !();
        linkFns.forEach(linkFn => {
            linkFn(this.scope,
                (clone: Node[]) => {
                    compiledProjectableNodes.push(clone);
                    this.element.append !(clone);
                });
        });

        return compiledProjectableNodes;
    }

    createComponent(projectableNodes: Node[][]) {
        const providers: StaticProvider[] = [
            {provide: $SCOPE, useValue: this.componentScope}
        ];
        const childInjector = Injector.create(
            {providers: providers, parent: this.parentInjector, name:
                'DowngradeComponentAdapter'});
        this.componentRef =
            this.componentFactory.create(childInjector,
                projectableNodes, this.element[0]);
        this.viewChangeDetector =
            this.componentRef.injector.get(ChangeDetectorRef);
        this.changeDetector =
            this.componentRef.changeDetectorRef;
        this.component = this.componentRef.instance;
        // testability hook is
        // commonly added during component bootstrap in
        // packages/core/src/application_ref_bootstrap
        // in
downdgraded application, component creation will take place here as well as adding the
        // testability hook.
        if (testability) {
            this.componentRef.injector.get(TestabilityRegistry)
            .registerApplication(this.componentRef.location.nativeElement, testability);
        }
    }
hookupNgModel(this.ngModel, this.component):\n  )\n  setupInputs(\n    manuallyAttachView: boolean, propagateDigest = true): void {\n    const attrs = this.attrs; \n    const inputs = this.componentFactory.inputs || []; \n    const observeFn = (prop => { \n      let prevValue = INITIAL_VALUE; \n      return (currValue: any) => { \n        // Initially, both `$observe()` and `$watch()` will call this function. \n        if (!strictEquals(prevValue, currValue)) { \n          if (prop == INITIAL_VALUE) { \n            prevValue = currValue; \n          } \n          this.updateInput(prop, prevValue, currValue); \n          prevValue = currValue; \n        } \n      } \n    }); \n    inputs.forEach(i => { \n      attrs.observe(input, observeFn); \n      // Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time\n      // for `ngOnChanges()`. This is necessary if we are already in a `$digest`, \n      // which means that `\n      // `ngOnChanges()` (which is called by a watcher) will run before the `$observe()` \n      // callback. \n      let unwatch = null; \n      observeFn(attrs[input]); \n    }); \n  }

  setupOutputs() { \n    const attrs = this.attrs; \n    const outputs = this.componentFactory.outputs || []; \n    outputs.forEach(o => { \n      const output = new PropertyBinding(o.propName, o.templateName); \n      const expr = attr; \n      if (attrs.hasOwnProperty(expr)) { \n        this.subscribeToOutput(output, attrs[expr], true); \n      } \n      if (attrs.hasOwnProperty(output.parenAttr)) { \n        this.subscribeToOutput(output, attrs[output.parenAttr], true); \n      } \n    }); \n  }

  private subscribeToOutput(output: PropertyBinding, expr: string, isAssignment: boolean = false) { \n    const getter = this.$parse(expr); \n    const setter = getter.assign; \n    if (isAssignment && !setter) { \n      throw new Error(`Expression '${expr}' is not assignable!`); \n    } \n    const emitter = this.component[output.prop] as EventEmitter<any>; \n    if (emitter) { \n      emitter.subscribe({ \n        next: isAssignment ? (v: any) => setter!(this.scope, v) : \n                              \n        get: (v: any) => getter(this.scope, {'$event': v}) \n      }); \n    } else { \n      throw new
```typescript
/**
 * @description
 *
 * A helper function that allows an Angular component to be used from AngularJS.
 *
 * *Part of the [upgrade/static](api?query=upgrade%2Fstatic) library for hybrid upgrade apps that support AOT compilation*
 * This helper function returns a factory function to be used for registering an AngularJS wrapper directive for 'downgrading' an Angular component. A helper function that allows an Angular component to be used from AngularJS.
 *
 * @usageNotes
 * ### Examples
 *
 * Let's assume that you have an Angular component called 'ng2Heroes' that needs to be made available in AngularJS templates.
 *
 * ```typescript
 * // @example upgrade/static/ts/full/module.ts region="ng2-heroes"
 * ```
 *
 * We must create an AngularJS [directive](https://docs.angularjs.org/guide/directive) that wraps the 'downgraded' component.
 *
 * ```typescript
 * // @example upgrade/static/ts/full/module.ts region="ng2-heroes-wrapper"
 * ```
 *
 * For more details and examples on downgrading Angular components to AngularJS components please visit the [Upgrade guide](guide/upgrade#using-angular-components-from-angularjs-code).
 *
 * @param info contains information about the Component that is being downgraded:
 *
 * - `component: Type<any>`: The type of the Component that will be downgraded
 * - `downgradedModule?: string`: The name of the downgraded module (if any) that the component "belongs to", as returned by a call to 'downgradeModule()'. It is the module, whose corresponding Angular module will be bootstrapped, when the component needs to be instantiated.
 *   (This option is only necessary when using 'downgradeModule()' to downgrade more than one Angular module.)
 * - `propagateDigest?: boolean`: Whether to perform change detection on the component on every $digest.
 *
 * @returns a factory function that can be used to register the component in an AngularJS module.
 *
 * @publicApi
 */
export function downgradeComponent(info: {
  component: Type<any>; downgradedModule?: string; propagateDigest?: boolean;
  /** @deprecated since v4. This parameter is no longer used */
  inputs?: string[];
  /** @deprecated since v4. This parameter is no longer used */
  outputs?: string[];
  /** @deprecated since v4. This parameter is no longer used */
  selectors?: string[];
}): any /* angular.IInjectable */ {
  const directiveFactory: IAnnotatedFunction = function(
    // When using 'downgradeModule()', we need to handle certain things specially. For example:
    // - We always need to attach the component view to the 'ApplicationRef' for it to be dirty-checked.
    // - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the Angular zone.
    // - NOTE: This is not needed, when using 'UpgradeModule', because 'sdigest()' will be run in the Angular zone (except if explicitly escaped, in which case we shouldn't force it back in).
    const isNgUpgradeLite = getUpgradeAppType($injector) === UpgradeAppType.Lite;
    let ngZone: NgZone;

    // When downgrading multiple modules, special handling is needed wrt injectors.
    const hasMultipleDowngradedModules =
        isNgUpgradeLite &
        (getDowngradedModuleCount($injector) > 1)
    return [{
      restrict: 'E',
      terminal: true,
      require: [REQUIRE_INJECTOR, REQUIRE_NG_MODEL],
      link: (scope: IScope, element: IAugmentedJQuery, attrs: IAttributes, required: any[]) => {
          // We might have to compile the contents asynchronously, because this might have been triggered by 'UpgradeNg1ComponentAdapterBuilder', before the Angular templates have been compiled.
          const ngModel: NgModelController =
              (constModel: INgModelController = required[1])
          let moduleInjector: Injector|Thenable<Injector>|undefined = required[0];
          moduleInjector.
        }];
  });
```

There are two injectors: `finalModuleInjector` and `finalParentInjector` (they might be the same instance, but that is irrelevant). `finalModuleInjector` is used to retrieve `ComponentFactoryResolver`, thus it must be on the same tree as the `NgModule` that declares this downgraded component. `finalParentInjector` is used for all other injection purposes. (Note that Angular knows to only traverse the component-tree part of that injector when looking for an injectable and then switch to the module injector.)

There are basically three cases:

- If there is no parent component (thus no `parentInjector`), we bootstrap the downgraded `NgModule` and use its injector as both `finalModuleInjector` and `finalParentInjector`. If there is a parent component (and thus a `parentInjector`) and we are sure that it belongs to the same `NgModule` as this downgraded component (e.g. because there is only one downgraded module, we use `parentInjector` as both `finalModuleInjector` and `finalParentInjector`), but (for simplicity) we are treating this case as if there belong to different `NgModule`s. That doesn't really affect anything, since `parentInjector` has `moduleInjector` as ancestor and trying to resolve `ComponentFactoryResolver` from either one will return the same instance. If there is a parent component, use its injector as parent injector. If this is a `top-level` Angular component, use the module injector.

In that case, we could have used the `parentInjector` as both `finalModuleInjector` and `finalParentInjector`, but (for simplicity) we are treating this case as if they belong to different `NgModule`s. That doesn't really affect anything, since `parentInjector` has `moduleInjector` as ancestor and trying to resolve `ComponentFactoryResolver` from either one will return the same instance.

If there is a parent component that belongs to the same `NgModule`, use its injector. If this is a `top-level` Angular component or the parent component may belong to a different `NgModule`, use the module injector for module-specific dependencies. If there is a parent component that belongs to the same `NgModule`, use its injector.

Angular knows to only traverse the component-tree part of that injector when looking for an injectable and then switch to the module injector. `finalParentInjector` is used for all other injection purposes. (Note that Angular knows to only traverse the component-tree part of that injector when looking for an injectable and then switch to the module injector.)

If there is a parent component, use its injector as parent injector. If this is a `top-level` Angular component, use the module injector.

In that case, we could have used the `parentInjector` as both `finalModuleInjector` and `finalParentInjector`, but (for simplicity) we are treating this case as if they belong to different `NgModule`s. That doesn't really affect anything, since `parentInjector` has `moduleInjector` as ancestor and trying to resolve `ComponentFactoryResolver` from either one will return the same instance.

If there is a parent component that belongs to the same `NgModule`, use its injector. If this is a `top-level` Angular component or the parent component may belong to a different `NgModule`, use the module injector for module-specific dependencies.

Angular knows to only traverse the component-tree part of that injector when looking for an injectable and then switch to the module injector. `finalParentInjector` is used for all other injection purposes. (Note that Angular knows to only traverse the component-tree part of that injector when looking for an injectable and then switch to the module injector.)

If there is a parent component, use its injector as parent injector. If this is a `top-level` Angular component or the parent component may belong to a different `NgModule`, use the module injector for module-specific dependencies.
some related tool) complains:
        // `TypeError: ...$src$downgrade_component_ParentInjectorPromise.all is not a
        // function`
        SyncPromise.all([finalParentInjector, finalModuleInjector])
            .then(([,injector, mInjector]) =>
                downgradeFn(<injector, mInjector>);)
            .then(() =>
              ranAsync = true;)
        }
    };

    return directiveFactory;
}

/**
 * Synchronous promise-like object to wrap parent injectors,
 * to preserve the
 * synchronous nature of AngularJS's `$compile`. * @class ParentInjectorPromise extends SyncPromise*
 * {

    // bracket-notation because
    // of closure - see #14441
    directiveFactory['$inject'] = [SCOMPILE, SINJECTOR, SPARSE];

    // private injectorKey: string = controllerKey(INJECTOR_KEY);
    // constructor(private element:
    // IAugmentedJQuery) { this super();}
    // Store the promise on the element.
    // this element.data.$injectorKey, this;
    // resolve(injector: Injectable): void { this super();
    // the element.data.
    // !this.injectorKey, injector;
    // resolve the element to prevent memory leaks.
    // this element = null; this
    // Resolve the promise.
    // super.resolve(injector);
    // |
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    // found in
    // the LICENSE file at https://angular.io/license
    */

    import {Injector} from '@angular/core';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * @description
     *
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
     * use it in a downgraded Angular component from a different module.
     */

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    import {IInjectorService} from './angular1';

    /**
     * @description
     *
     * This helper function returns a factory function that provides access to the
     * Angular
     * service identified by the
     * `token` parameter.
     *
     * First ensure that the service to be downgraded is
     * provided in an `NgModule` that will be part of the upgrade application.
     * For example, let's assume we have
     * defined `HeroesService`:
     * {
     *   [example upgrade/static/ts/full/module.ts.region="ng2-heroes-service"]
     * *
     *   Now we can register the `downgradeInjectable` function for the service
     * on an AngularJS module.
     * {
     * [example upgrade/static/ts/full/module.ts.region="downgrade-ng2-heroes-service"]
     * *
     * Inside an AngularJS component's controller we can get hold of the
     * downgraded service via the
     * name we gave when downgrading:
     * {
     * [example upgrade/static/ts/full/module.ts.region="example-appl"]
     * *
     * When using `downgradeModule()`, downgraded injectables will not
     * be available until the Angular
     * module that provides them is instantiated. In order to be safe, you need to ensure
     * that the
     * downgraded injectables are not used anywhere outside the part of the app where it is
     * guaranteed
     * that their module has been instantiated.
     *
     * For example, it is _OK_ to use a downgraded service in an
     * upgraded component that is only used from
     * a downgraded Angular component provided by the same Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
     * use it in a downgraded Angular component from a different module.
     */

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     */

    import {Version} from '@angular/core';

    /**
     * Entry point for all public APIs of the common package.
     */

    import {Version} from '@angular/core';

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     */

    import {IInjectorService} from './angular1';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
     * use it in a downgraded Angular component from a different module.
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     */

    import {IInjectorService} from './angular1';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
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    import {IInjectorService} from './angular1';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
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     */

    import {IInjectorService} from './angular1';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
     * use it in a downgraded Angular component from a different module.
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     */

    import {IInjectorService} from './angular1';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
     * use it in a downgraded Angular component from a different module.
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     */

    import {IInjectorService} from './angular1';

    import {INJECTOR, INJECTOR_KEY} from './constants';

    /**
     * A helper function to
     * allow an Angular service to be accessible from AngularJS.
     * @param {any} token an `InjectionToken` that identifies a service provided from Angular.
     * @param {string} downgradedModule the name of the downgraded module (if any) that the injectable
     * "belongs to", as returned
     * by a call to `downgradeModule()`.
     * (This option is only necessary when using `downgradeModule()` to downgrade more than one
     * Angular
     * module as the Injectable, but it is _not_ to use it in an AngularJS component that may be used
     * independently of Angular or
     * use it in a downgraded Angular component from a different module.
     */

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     */
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`@publicApi
*/
export const VERSION = new Version('9.0.7');
`,

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 */

import {IInjectorService} from '@angular/core';

// We have to do a little dance to get the ng1 injector into the module injector. We store the ng1 injector so that the provider in the module injector can access it. Then we `get` the ng1 injector from the module injector, which triggers the provider to read it. We must use exported named functions for the ng2 factories to keep the compiler happy. // > Metadata collected contains an error that will be reported at runtime.

export function setTempInjectorRef(injector: IInjectorService) {
  tempInjectorRef = injector;
}

export function injectorFactory() {
  if (!tempInjectorRef) {
    throw new Error('Trying to get the AngularJS injector before it being set.');
  }

  const injector: IInjectorService = tempInjectorRef;
  tempInjectorRef = null; // clear the value to prevent memory leaks
  return injector;
}

export function rootScopeFactory(i: IInjectorService) {
  return i.get('$rootScope');
}

export function compileFactory(i: IInjectorService) {
  return i.get('$compile');
}

export function parseFactory(i: IInjectorService) {
  return i.get('$parse');
}

export const angular1Providers = [
  {provide: '$injector', useFactory: injectorFactory, deps: []},
  {provide: '$rootScope', useFactory: rootScopeFactory, deps: ['$injector']},
  {provide: '$compile', useFactory: compileFactory, deps: ['$injector']},
  {provide: '$parse', useFactory: parseFactory, deps: ['$injector']}
];

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 */

import {Injector, NgModuleFactory, NgModuleRef, StaticProvider} from '@angular/core';
import {platformBrowser} from '@angular/platform-browser';

import {IInjectorService, IProvideService, module_ as angularModule} from '../../src/common/src/angular1';
import {$INJECTOR, $PROVIDE, DOWNGRADED_MODULE_COUNT_KEY, INJECTOR_KEY, LAZY_MODULE_REF, UPGRADE_APP_TYPE_KEY, UPGRADE_MODULE_NAME} from '../../src/common/src/constants';
import {LazyModuleRef, UpgradeAppType, getDowngradedModuleCount, isFunction} from '../src/common/src/util';

import {angular1Providers, setTempInjectorRef} from './angular1_providers';
import {NgAdapterInjector} from './util';

let moduleUid = 0;

/**
 * @description
 * A helper function for creating an AngularJS module that can bootstrap an Angular module "on-demand" (possibly lazily) when a downgraded component needs to be instantiated.
 * It allows loading/ bootstrapping the Angular part of a hybrid application lazily and not having to pay the cost up-front. For example, you can have an AngularJS application that uses Angular for specific routes and only instantiate the Angular modules if/when the user visits one of these routes. The Angular module will be bootstrapped once (when requested for the first time) and the same reference will be used from that point onwards.
 * `downgradeModule()` requires either an `NgModuleFactory` or a function:
 * - `NgModuleFactory`: If you pass an `NgModuleFactory`, it will be used to instantiate a module
 * - `Function`: If
you pass a function, it is expected to return a promise resolving to an
* `NgModuleRef`. The function is called
with an array of extra {[@link StaticProvider Providers]} that are expected to be available from the returned
`NgModuleRef`’s `Injector`. * If you use the name of the created AngularJS wrapper
module. You can use it to declare a dependency in your main AngularJS module.

Apart from `UpgradeModule`, you can use the rest of the `upgrade/static` helpers as usual to build a hybrid
application. Note that the Angular pieces (e.g. downgraded services) will not be available until the downgraded
module has been bootstrapped, i.e. by instantiating a downgraded module component. * &lt;div class="alert is-important"> You cannot use `downgradeModule()` and `UpgradeModule` in the same hybrid
application. * Use one or the other. * &lt;div>

Besides their different API, there are two important internal differences between
`downgradeModule()` and `UpgradeModule` that affect the behavior of hybrid applications.

Unlike `UpgradeModule`,
`downgradeModule()` does not bootstrap the main AngularJS module inside the
`Angular zone`. Unlike `UpgradeModule`, `downgradeModule()` does not automatically run

This will inevitably result in more change detection runs than necessary. * &lt;div>

These improvements, especially in change-detection-heavy applications, but leaves it up to the
developer to manually notify each framework as needed. * For a more detailed discussion of the
differences and their implications, see [Upgrading for Performance](guide/upgrade-performance).

You can manually trigger a change detection run in AngularJS using
`

You can manually trigger a change detection run in Angular using
`

If you want some injectables to be shared among all downgraded modules, you can provide them as

`StaticProvider`’s, when creating the `PlatformRef` (e.g. via `platformBrowser` or

`platformBrowserDynamic()`). * - When using

Each downgraded component/injectable needs to be explicitly associated
with a downgraded module. See `downgradeComponent()` and `downgradeInjectable()` for more details.

If this is not your intention, you can have a shared module (that will act as act as the `"root"` module) and create all
downgraded modules using that module’s injector. * &lt;example upgrade/static/ts/lite-multi-shared/module.ts

Promise&lt;NgModuleRef&lt;T&gt;>>()

const lazyModuleName =`

const lazyModuleRefKey =`

const lazyInjectorKey =`

moduleFactoryOrBootstrapFn : NgModuleFactory&lt;T&gt;)

(extraProviders: StaticProvider[])

=)&n

returned `$('\{status\}: \{response\}`);\n  }\n} else {\n  throw new Error(`Directive \$('\{directive.name\}` is not a component, it is missing template.`);\n}\n}\n\nbuildController(controllerType: IController, $scope: IScope) {\n  // TODO: Document that we do not pre-assign bindings on the controller instance.\n  // Quoted properties below so that this code can be optimized with Closure Compiler.\n  const locals = {\n    $scope, 'Element': this.Element};\n  const controller = this.$controller(controllerType, locals, null,\n    this.director.controllerAs);\n
  return controller;\n}\n\ncompileTemplate(template?: string): ILinkFn {\n  if (template === undefined) {\n    template = UpgradeHelper.getTemplate(this.$injector, this.directive, false, this.$element) as string;\n  }\n
  return this.compileHtml(template);\n}\n\nonDestroy($scope: IScope, controllerInstance?: any) {\n  if (controllerInstance && isFunction(controllerInstance.$onDestroy)) {\n    controllerInstance.$onDestroy();\n  }\n
  $scope.$destroy();\n
  // Clean the jQuery/jqLite data on the component+child elements.\n  angularElement.cleanData();\n}\n
prepareTransclusion(): ILinkFn|undefined {\n  const transclude = this.directive.transclude;\n  const contentChildNodes = this.extractChildNodes();\n  let $template = contentChildNodes;\n
  if (transclude) {\n    const slots = Object.create(null);\n
    if (typeof transclude === 'object') {\n      $template = [];

      const slotMap = Object.create(null);\n      const filledSlots = Object.create(null);

      // Parse the element selectors.
      Object.keys(transclude).forEach(slotName => {\n        let selector = transclude[slotName];\n        const optional = selector.charAt(0) === '?';\n        selector = optional ? selector.substring(1) : selector;

        slotMap[directiveNormalize(selector.toLowerCase())] = slotName;\n        slots[slotName] = null;\n
        if (transclude) {\n          let Template = contentChildNodes;\n          if (transclude) {\n            const slots = Object.create(null);\n            if (typeof transclude === 'object') {\n              let Template = [];\n              const slotMap = Object.create(null);\n              const filledSlots = Object.create(null);\n
              // Add the matching elements into their slot.\n              contentChildNodes.forEach(node => {\n                const slotName = directiveNormalize(node.nodeName.toLowerCase());\n                if (slotName) {\n                  filledSlots[slotName] = true;\n                  slots[slotName] = slots[slotName] || [];}\n
                slots[slotName].push(node);\n
              } else {\n                $template.push(node);\n              }\n            }\n
            // Check for required slots that were not filled.\n            Object.keys(filledSlots).forEach(slotName => {\n              if (!filledSlots[slotName]) {\n                throw new Error('Required transclusion slot \$('\{slotName\}' on directive: \$('\{directive.name\}' not found.\n
              }\n            });\n
            Object.keys(filledSlots).filter(slotName => filledSlots[slotName]).forEach(slotName => {\n              const slots = slots[slotName];\n              slots[slotName] = (scope: IScope, cloneAttach: ICloneAttachFunction) => {\n                return cloneAttach(!nodes, scope);\n              };\n
              // Attach '$$slots' to default slot transclude fn.\n              attachChildrenFn.$$slots = slots;\n
              // AngularJS v1.6+ ignores empty or whitespace-only transcluded text nodes.\n              // Angular\n              // removes all text content after the first interpolation and updates it later, after\n              // evaluating the expressions. This would result in AngularJS failing to recognize text\n              // nodes that start with an interpolation as transcluded content and use the fallback\n              // content instead.\n              // To avoid this issue, we add a\n              // [zero-width non-joiner character](https://en.wikipedia.org/wiki/Zero-width_non-joiner)\n              // to empty\n              // text nodes (which can only be a result of Angular removing their initial content).\n              // NOTE: Transcluded text\n              // content that starts with whitespace followed by an interpolation\n              // will still fail to be detected by AngularJS v1.6+.\n
              $template.forEach(node => {\n                if (node.nodeType === Node.TEXT_NODE && !node.nodeValue) {\n                  node.nodeValue = '\u200C';\n                }\n              });\n
              node.nodeTypeValue = '\u200C';\n
              return attachChildrenFn;\n            }\n          }\n        }\n      });\n    }\n  }\n}
```
  resolveAndBindRequiredControllers(controllerInstance: IControllerInstance|null) {  
    const directiveRequire = this.getDirectiveRequire();
    const requiredControllers = this.resolveRequire(directiveRequire);
    if (controllerInstance && this.directive.bindToController && isMap(directiveRequire)) {
      const requiredControllersMap = requiredControllers as{[key: string]: IControllerInstance};
      Object.keys(requiredControllersMap).forEach(key => {  
        controllerInstance[key] = requiredControllersMap[key];
      });
      return requiredControllers;
    }
    private compileHtml(html: string): ILinkFn {
      this.element.innerHTML = html;
      return this.$compile(this.element.childNodes);
    }
    private extractChildNodes(): Node[] {
      const childNodes: Node[] = [];
      let childNode: Node|null;
      while (childNode = this.element.firstChild) {
        this.element.removeChild(childNode);
        childNodes.push(childNode);
      }
      return childNodes;
    }
    private getDirectiveRequire(): DirectiveRequireProperty {
      const require = this.directive.require || (this.directive.controller &&
        this.directive.name) !;
      if (typeof require === 'object') {
        const value: {[key: string]: IControllerInstance} = {};
        Object.keys(require).forEach(key => value[key] = this.resolveRequire(require[key]) !);
        return value;
      } else if (typeof require === 'string') {
        const match = require.match(REQUIRE_PREFIX_RE) !;
        const name = require.substring(match[0].length);
        const isOptional = !!match[2];
        const searchParents = !!match[1] || !!match[3];
        const startOnParent = isOptional;
        const ctrlKey = controllerKey(name);
        const elem = startOnParent ? this.$element.parent() : this.$element;
        const value = searchParents ? elem.inheritedData(ctrlKey) : elem.data(ctrlKey);
        if (!value && !isOptional) {
          throw new Error(`Unable to find required '${require}' in upgraded directive '${this.name}'.`);
        }
        return value;
      } else {
        throw new Error(`Unrecognized 'require' syntax on upgraded directive '${this.name}': ${require}`);
      }
    }
  }
```

```
  resolveRequire(require: DirectiveRequireProperty, controllerInstance?: any) {
    if (!require) {
      return null;
    } else if (Array.isArray(require)) {
      return require.map(req => this.resolveRequire(req));
    } else if (typeof require === 'object') {
      const value: {[key: string]: IControllerInstance} = {};
      Object.keys(require).forEach(key => value[key] = this.resolveRequire(require[key]) !);
      return value;
    } else if (typeof require === 'string') {
      const match = require.match(REQUIRE_PREFIX_RE) !;
      const inheritType = match[1] || match[3];
      const name = require.substring(match[0].length);
      const isOptional = !!match[2];
      const searchParents = !!inheritType;
      const startOnParent = inheritType === '^^';
      const ctrlKey = controllerKey(name);
      const elem = startOnParent ? this.$element.parent() : this.$element;
      const value = searchParents ? elem.inheritedData(ctrlKey) : elem.data(ctrlKey);
      if (!value && !isOptional) {
        throw new Error(`Unable to find required '${require}' in upgraded directive '${this.name}'.`);
      }
      return value;
    } else {
      throw new Error(`Unrecognized 'require' syntax on upgraded directive '${this.name}': ${require}`);
    }
  }
```

In this example you can see that we must derive from the `UpgradeComponent` base class but also provide an { `@link Directive` `@Directive` } decorator. This is because the AOT compiler requires that this information is statically available at compile time.

Note that we must do the following:

- specify the directive's selector (`ng1-hero`) *derive from the `UpgradeComponent` class call the base class from the constructor, passing the AngularJS name of the component (`ng1Hero`) *the `ElementRef` and `Injector` for the component wrapper *specify the directive's selector (`ng1-hero`) *specify all inputs and outputs that the AngularJS component expects *derive from `UpgradeComponent` *call the base class from the constructor, passing *the AngularJS name of the component (`ng1Hero`) *the `ElementRef` and `Injector` for the component wrapper

* Note that we must do the following:

- specify the directive's selector (`ng1-hero`) *derive from the `UpgradeComponent` *call the base class from the constructor, passing

```typescript
UpgradeComponent

private $injector: IInjectorService;

private element: Element;
private $element: IAugmentedJQuery;
private $componentScope: IScope;
private directive: IDirective;
private bindings: Bindings;
private controllerInstance !: IControllerInstance;
private bindingDestination !: IBindingDestination;
private pendingChanges !: SimpleChanges | null;
private.unregisterDoCheckWatcher !: Function;

ngOnInit() {
    // Collect contents, insert and compile template
    const attachChildNodes: ILinkFn|undefined = this.helper.prepareTransclusion();
    const linkFn = this.helper.compileTemplate();

    // Instantiate controller
    const controllerType = this.directive.controller;
    const bindToController = this.directive.bindToController;
    if (controllerType) {
      this.controllerInstance = this.helper.buildController(controllerType, this.$componentScope);
    } else if (bindToController) {
      throw new Error(`Upgraded directive '${this.directive.name}' specifies 'bindToController' but no controller.`);
    }

    const requiredControllers = this.helper.resolveAndBindRequiredControllers(this.controllerInstance);

    // Hook: $onChanges
    if (this.pendingChanges) {
      this.forwardChanges(this.pendingChanges);
      this.pendingChanges = null;
    }

    // Hook: $onInit
    if (this.controllerInstance && isFunction(this.controllerInstance.$onInit)) {
      this.controllerInstance.$onInit();
    }

    // Hook: $doCheck
    if (this.controllerInstance && isFunction(this.controllerInstance.$doCheck)) {
      const callDoCheck = () => this.controllerInstance.$doCheck();
      this.unregisterDoCheckWatcher = this.$componentScope.$parent.$watch(callDoCheck);
      callDoCheck();
    }

    // Hook: $onDestroy
    if (this.controllerInstance && isFunction(this.controllerInstance.$onDestroy)) {
      this.controllerInstance.$onDestroy();
    }

    // Hook: $onInit
    if (this.$injector) {
      // We ask for the AngularJS scope from the Angular
      // injector, since we will put the new component scope onto the new injector for each component
      this.$injector.get(Scope); // QUESTION 1: Should we create an isolated scope if the scope is only true?
      this.$injector.$new(!!this.directive.scope); // QUESTION 2: Should we make the scope accessible through `$element.scope/isolateScope()`?
      this.$injector.$new(!!this.directive.scope); // QUESTION 2: Should we make the scope accessible through `$element.scope/isolateScope()`?
      this.$injector.$new(!!this.directive.scope); // QUESTION 2: Should we make the scope accessible through `$element.scope/isolateScope()`?
      this.$injector.$new(!!this.directive.scope); // QUESTION 2: Should we make the scope accessible through `$element.scope/isolateScope()`?
      this.$injector.$new(!!this.directive.scope); // QUESTION 2: Should we make the scope accessible through `$element.scope/isolateScope()`?
      this.$injector.$new(!!this.directive.scope); // QUESTION 2: Should we make the scope accessible through `$element.scope/isolateScope()`?
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$postLink
 if (this.controllerInstance &isFunction(this.controllerInstance.$postLink)) {
   this.controllerInstance.$postLink();
 }

  ngOnChanges(changes: SimpleChanges) {
    if (!this.bindingDestination) {
      this.pendingChanges = changes;
    } else {
      this.forwardChanges(changes);
    }
  }

  ngDoCheck() {
    const twoWayBoundProperties = this.bindings.twoWayBoundProperties;
    const twoWayBoundLastValues = this.bindings.twoWayBoundLastValues;
    const propertyToOutputMap = this.bindings.propertyToOutputMap;
    twoWayBoundProperties.forEach((propName, idx) => {
      const const newValue = this.bindingDestination[propName] = propertyToOutputMap[propName];
      if (!looseIdentical(newValue, oldValue)) {
        const eventEmitter: EventEmitter<any> = (this as any)[propName];
        eventEmitter.emit(newValue);
        twoWayBoundLastValues[idx] = newValue;
      }
    });
  }

  onDestroy() {
    if (isFunction(this.unregisterDoCheckWatcher)) {
      this.unregisterDoCheckWatcher();
    }
    this.helper.onDestroy(this.$componentScope, this.controllerInstance);
  }

  private initializeBindings(directive: IDirective) {
    const btcIsObject = typeof directive.bindToController === 'object';
    if (btcIsObject & Object.keys(directive.scope).length) {
      throw new Error(`'Binding definitions on scope and controller at the same time is not supported.'
          const context = btcIsObject ? directive.bindToController :
          Object.keys(directive.scope).length); // throw new Error
          const bindingType = definition.charAt(0);
          switch (bindingType) {
            case '@':
              // We don't need to do anything special. They will be defined as inputs on the
              // upgraded component facade and the change propagation will be handled by
              // `ngOnChanges()`. // break
            case '<':
              break;
            case '=':
              bindings.twoWayBoundProperties.push(propName);
              bindings.twoWayBoundLastValues.push(INITIAL_VALUE);
              bindings.propertyToOutputMap[propName] = propName + 'Change';
              break;
            case '&':
              bindings.expressionBoundProperties.push(propName);
              bindings.propertyToOutputMap[propName] = propName;
              break;
            default:
              let json = JSON.stringify(context);
              throw new Error(`Unexpected mapping '${bindingType}' in '${json}' in '${this.name}' directive.`);
          }
        });
    })
  }

  private bindOutputs() {
    this.bindings.expressionBoundProperties.forEach(propName => {
      const outputName = this.bindings.propertyToOutputMap[propName];
      const emitter = (this as any)[outputName];
      this.bindingDestination[propName] = (value: any) => emitter.emit(value);
    });
  }

  private forwardChanges(changes: SimpleChanges) {
    changes[propName].forEach((propName, idx) => {
      this.bindingDestination[propName] = changes[propName].currentValue;
    });
  }

  /**
   * @license
   * Copyright Google Inc. All
   *
   * Use of this source code is governed by an MIT-style license that can be * found in the
   * LICENSE file at https://angular.io/license
   */

  import {Injector, NgModule, NgZone, Testability, isDevMode} from '@angular/core';

  import {IInjectorService, IIntervalService, IProvideService, ITestabilityService, bootstrap,
    element as angularElement, module_ as angularModule} from '../../src/common/src/angular1';
  import {$$TESTABILITY, $DELEGATE, $INJECTOR, $INTERVAL, $PROVIDE, INJECTOR_KEY,
    LAZY_MODULE_REF, UPGRADE_APP_TYPE_KEY, UPGRADE_MODULE_NAME} from
    '../../src/common/src/constants';
  import {LazyModuleRef, UpgradeAppType, controllerKey} from
    '../../src/common/src/upgrade';
  import {NgModule} from '@angular/core';
  import {STESTABILITY, SDELEGATE, SJINJECTOR, SJINTERVAL, SPROVIDE, SJINJECTOR_KEY,
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    LAZY_MODULE_REF, UPGRADE_APP_TYPE_KEY, UPGRADE_MODULE_NAME} from
    '}
Part of the [upgrade/static](api?query=upgrade/static) library for hybrid upgrade apps that support AOT compilation. The `upgrade/static` package contains helpers that allow AngularJS and Angular components to be used together inside a hybrid upgrade application, which supports AOT compilation. Specifically, the classes and functions in the `upgrade/static` module allow the following: 1. Creation of an Angular directive that wraps and exposes an AngularJS component so that it can be used in an Angular template. See `UpgradeComponent`. 2. Creation of an AngularJS directive that wraps and exposes an Angular component so that it can be used in an AngularJS template. See `downgradeComponent`. 3. Creation of an Angular root injector provider that wraps and exposes an AngularJS component so that it can be injected into an Angular context. See `UpgradeModule`. 4. Bootstrapping of a hybrid Angular application which contains both of the frameworks coexisting in a single application. 5. Importing a hybrid Angular application service into an AngularJS module.

### Mental Model

1. There are two independent frameworks running in a single application, each framework treats the other as a black box. Each DOM element on the page is owned exactly by one framework. Whichever framework instantiated the element is the owner. Each framework only updates/interacts with its own DOM elements and ignores others. Angular directives always execute inside the AngularJS framework codebase regardless of where they are instantiated. Angular components always execute inside the Angular framework codebase regardless of where they are instantiated. An AngularJS component can be "upgraded" to an Angular component. This is achieved by defining an Angular directive, which bootstraps the AngularJS component at its location in the DOM. An Angular component can be "downgraded" to an AngularJS component. This is achieved by defining an AngularJS directive, which bootstraps the Angular component at its location in the DOM. The `UpgradeModule` class is an `NgModule`, which you import to provide AngularJS core services, and has an instance method used to bootstrap the hybrid upgrade application.

### Examples

1. Import the `UpgradeModule` into your top level `NgModule`.

```ts
import {UpgradeModule} from '@angular/upgrade/static';
```
Upgrading an AngularJS service

There is no specific API for upgrading an AngularJS service. Instead you should just follow the following recipe:

```html
* Let's say you have an AngularJS service:
* `service: { ... }` or service:
* `{ ... }` or
* `{ ... }` or
* `{ ... }`
* Then you can use the `upgrade.js` Angular service by injecting it into an Angular component:
* `import { upgradeService } from 'upgrade.js';`
* `@Inject(upgradeService) private upgradeService: any;`
* `upgradeService.upgradeApplication();`

The Angular Injector

The Angular Injector:

```typescript
class UpgradedInjector {
  constructor(injector: Injector) {
    this.injector = injector;
  }

  get<T>(key: string): T {
    return this.injector.get<T>(key);
  }
}
```

The Angular Injector

The Angular Injector is used to upgrade Angular modules and services. It is created during the browser compatibility checks and is used to upgrade the Angular application to the latest version.

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whenever the zone settles
                // We need to do this in the next tick so that we don't prevent the bootup
                setTimeout(() => {
                  const $rootScope = $injector.get('$rootScope');
                  const subscription = this.ngZone.onMicrotaskEmpty.subscribe(() => {
                    if (!$rootScope.$$phase) {
                      if (isDevMode()) {
                        console.warn(
                          'A digest was triggered while one
                          was already in progress. This may mean that something is triggering digests outside the Angular zone.');
                      }
                      return $rootScope.$evalAsync();
                    }
                    return $rootScope.$digest();
                  });
                  $rootScope.$on('$destroy', () => { subscription.unsubscribe(); });
                }, 0);
              })
            ];
          }
        ];
      }
      const upgradeModule = angularModule(UPGRADE_MODULE_NAME,
        [INIT_MODULE_NAME].concat(modules));
      // Make sure resumeBootstrap() only exists if the current
      bootstrap is deferred
      const windowAngular = (window as any)['angular'];
      windowAngular.resumeBootstrap = undefined;
      // Bootstrap the AngularJS application inside our zone
      this.ngZone.run(() => {
        const bootstrap(element, [upgradeModule.name], config); });
      // Patch resumeBootstrap() to run inside the ngZone
      if (windowAngular.resumeBootstrap) {
        const originalResumeBootstrap: () => void =
          windowAngular.resumeBootstrap;
        const ngZone = this.ngZone;
        windowAngular.resumeBootstrap = function() {
          let args = arguments;
          windowAngular.resumeBootstrap = originalResumeBootstrap;
          return ngZone.run(() => windowAngular.resumeBootstrap.apply(this, args));
        };
        @license * Copyright Google Inc. All Rights Reserved.
        * Use of this source code is governed by an MIT-
        * style license that can be * found in the LICENSE file at https://angular.io/license
        *
        
        getAngularJSGlobal, getAngularLib, setAngularJSGlobal, setAngularLib
      } from
      './src/common/src/angular1';
      
      exports = {getAngularJSGlobal, getAngularLib, setAngularJSGlobal, setAngularLib} from
      './src/common/src/angular1';
      
      exports = {downgradeComponent} from
      './src/common/src/downgrade_component';
      exports = {version} from
      './src/common/src/version';
      exports = {downgradeModule} from
      './src/downgrade_module';
      exports = {UpgradeComponent} from
      './src/upgrade_component';
      exports = {UpgradeModule} from
      './src/upgrade_module';
      exports = angular1Providers from
      './angular1_providers';

      } catch ($err) {
        console.error($err);
      }
    }
  }
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

export * from './public_api';

export * from './index';

export {angular1Providers as
 ɵangular_packages_upgrade_static_e, compileFactory as
 ɵangular_packages_upgrade_static_c, injectorFactory as
 ɵangular_packages_upgrade_static_a, parseFactory as
 ɵangular_packages_upgrade_static_d, rootScopeFactory as
 ɵangular_packages_upgrade_static_e, compileFactory as
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 ɵangular_packages_upgrade_static_c, injectorFactory as
 ɵangular_packages_upgrade_static_a, parseFactory as
 ɵangular_packages_upgrade_static_d, rootScopeFactory as
 ɵangular_packages_upgrade_static_e, compileFactory as
 ɵangular_packages_upgrade_static_c, injectorFactory as
 ɵangular_packages_upgrade_static_a, parseFactory as
 ɵangular_packages_upgrade_static_d, rootScopeFactory as
 ɵangular_packages_upgrade_static_e, compileFactory as
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 ɵangular_packages_upgrade_static_d, rootScopeFactory as
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 ɵangular_packages_upgrade_static_a, parseFactory as
 ɵangular_packages_upgrade_static_d, rootScopeFactory as
 ɵangular_packages_upgrade_static_e, compileFactory as
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/fesm5/static.js.map
No license file was found, but licenses were detected in source scan.

/**
 * @license Angular v9.0.7
 * (c) 2010-2020 Google LLC. https://angular.io/
 * License: MIT
 */

_ylabel_7 * @license
* Copyright Google Inc. All Rights Reserved.
* Use of this source code is governed by an MIT-style license that can be
* found in the LICENSE file at https://angular.io/license
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/bundles/upgrade-
static-testing.umd.js
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-zip/bundles/upgrade-
static-testing.umd.js

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No license file was found, but licenses were detected in source scan.

```javascript
/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */

/**
 * @module
 * @description
 * Entry point for all public APIs of the common package.
 */

import {Version} from '@angular/core';

/**
 * @publicApi
 */
export const VERSION = new Version('9.0.7');

```

```json
"static-testing.umd.min.js"
```

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```
(window.hasOwnProperty('angular')) {\n  angular = (<any>window).angular;\n} catch {\n  // ignore in CJS mode\n}\n
/**
 * @deprecated Use `setAngularJSGlobal` instead.\n * @publicApi\n */
export function setAngularJSGlobal(ng: any): void {
  angular = ng;\n  angular.bootstrap(e, modules, config?) => angular.bootstrap(e, modules, config);\n// Do not declare as `module` to avoid webpack bug\n// (see https://github.com/angular/angular/issues/30050).\n\n/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

export const $COMPILE = '$compile';
export const $CONTROLLER = '$controller';
export const $DELEGATE = '$delegate';
export const $EXCEPTION_HANDLER = '$exceptionHandler';
export const $HTTP_BACKEND = '$httpBackend';
export const $INJECTOR = '$injector';
export const $INTERVAL = '$interval';
export const $PARSE = '$parse';
export const $PROVIDE = '$provide';
export const $ROOT_SCOPE = '$rootScope';
export const $SCOPE = '$scope';
export const $TEMPLATE_CACHE = '$templateCache';
export const $TEMPLATE_REQUEST = '$templateRequest';

export const $$TESTABILITY = '$$testability';

export const COMPILER_KEY = '$$$angularCompiler';
export const DOWNGRADED_MODULE_COUNT_KEY = '$$$angularDowngradedModuleCount';
export const GROUP_PROJECTABLE_NODES_KEY = '$$$angularGroupProjectableNodes';
export const INJECTOR_KEY = '$$$angularInjector';
export const LAZY_MODULE_REF = '$$$angularLazyModuleRef';
export const NG_ZONE_KEY = '$$$angularNgZone';
export const UPGRADE_APP_TYPE_KEY = '$$$UpgradeModule';

export const REQUIRE_INJECTOR = '?^^' + INJECTOR_KEY;
export const REQUIRE_NG_MODEL = '?ngModel';

export const UPGRADE_MODULE_NAME = '$$$UpgradeModule';

export const PropertyBinding {
  // TODO(issue/24571): remove '!'.
  bracketAttr !: string;
  // TODO(issue/24571): remove '!'.
  bracketParenAttr !: string;
  // TODO(issue/24571): remove '!'.
  parenAttr !: string;
  // TODO(issue/24571): remove '!'.
  onAttr !: string;
  // TODO(issue/24571): remove '!'.
  bindAttr !: string;
  // TODO(issue/24571): remove '!'.
  bindonAttr !: string;

  constructor(public prop: string, public attr: string) {
    this.parseBinding();
  }

  private parseBinding() {
    this.bracketAttr = `\[\_${this.attr}\]`;
    this.parenAttr = `(\_${this.attr}\_)`;
  }
```
export function onError(e: any) {
  // TODO: (misko): We seem to not have a stack trace here!
  if (console.error) {
    console.error(e, e.stack);
  } else {
    // tslint:disable-next-line:no-console
    console.log(e, e.stack);
  }
  throw e;
}

export function controllerKey(name: string): string {
  return '$' + name + 'Controller';
}

export function directiveNormalize(name: string): string {
  return name.replace(DIRECTIVE_PREFIX_REGEXP, '')
      .replace(DIRECTIVE_SPECIAL_CHARS_REGEXP, (_, letter) => letter.toUpperCase());
}

export function getTypeName(type: Type<any>): string {
  // Return the name of the type or the first line of its stringified version.
  return (type as any).overriddenName || type.name ||
      type.toString().split('\n')[0];
}

export function getDowngradedModuleCount($injector: IInjectorService): number {
  return $injector.has(DOWNGRADED_MODULE_COUNT_KEY) ?
      $injector.get(DOWNGRADED_MODULE_COUNT_KEY) : 0;
}

export function getUpgradeAppType($injector: IInjectorService): UpgradeAppType {
  return $injector.has(UPGRADE_APP_TYPE_KEY) ? $injector.get(UPGRADE_APP_TYPE_KEY) :
      UpgradeAppType.None;
}

export function isFunction(value: any): value is Function {
  return typeof value === 'function';
}

export class Deferred<R> {
  promise: Promise<R>;
  // TODO(issue/24571): remove '!'.
  resolve !: (value?: R | PromiseLike<R>) => void;
  // TODO(issue/24571): remove '!'.
  reject !: (error?: any) => void;

  constructor() {
    this.promise = new Promise((res, rej) => {
      this.resolve = res;
      this.reject = rej;
    });
  }
}

export interface LazyModuleRef {
  injector?: Injector;
  promise?: Promise<Injector>;
}

const enum UpgradeAppType {
  None,
  Dynamic,
  Static,
  Lite,
}

/**
 * @return Whether the passed-in component implements the subset of the
 *     `ControlValueAccessor` interface needed for AngularJS `ng-model`
 *     compatibility.
 */
function supportsNgModel(component: any) {
  return typeof component.writeValue === 'function' &&
      typeof component.registerOnChange === 'function';
}

/**
 * Test two values for strict equality, accounting for the fact that `NaN != NaN`.
 */
export function strictEquals(val1: any, val2: any): boolean {
  return val1 === val2;
}

function hookupNgModel(ngModel: INgModelController, component: any) {
  if (ngModel && supportsNgModel(component)) {
    ngModel.$render = () => {
      component.writeValue(ngModel.$viewValue);
    };
    component.registerOnChange(ngModel.$setViewValue.bind(ngModel));
    if (typeof component.registerOnTouched === 'function') {
      component.registerOnTouched(ngModel.$setTouched.bind(ngModel));
    }
  }
}

/**
 * Glue the AngularJS `NgModelController` (if it exists) to the component
 * (if it implements the needed subset of the `ControlValueAccessor` interface).
 */
export function hookupNgModelWithController(ngModel: INgModelController, component: any) {
  if (ngModel && & supportsNgModel(component)) {
    ngModel.$render = () => {
      component.writeValue(ngModel.$viewValue);
    };
    component.registerOnChange(ngModel.$setViewValue.bind(ngModel));
    if (typeof component.registerOnTouched === 'function') {
      component.registerOnTouched(ngModel.$setTouched.bind(ngModel));
    }
  }
}

// Function to test two numbers for NaN equality.
function areNaNsEqual(val1: any, val2: any): boolean {
  return val1 === val2;
}

// Function to test two strings for NaN equality.
function areStringNaNsEqual(str1: string, str2: string): boolean {
  return str1 === str2;
}
false

private inputChangeCount: number = 0;

private inputChanges: SimpleChanges = {};

private componentScope: IScope;

private componentRef!: ComponentRef<any>;

private component: any;

private changeDetector!: ChangeDetectorRef;

private viewChangeDetector!: ChangeDetectorRef;

constructor(
    private element: IAugmentedJQuery, private attrs: IAttributes, private scope: IScope,
    private ngModel: INgModelController, private parentInjector: Injector,
    private $injector: IInjectorService, private $compile: ICompileService,
    private $parse: IParseService, private componentFactory: ComponentFactory<any>,
    private wrapCallback: <T>(cb: () => T) => () => T) {
    this.componentScope = scope.$new();
  }

  compileContents(): Node[][] {
    const compiledProjectableNodes: Node[][] = [];
    const projectableNodes: Node[][] = this.groupProjectableNodes();
    const linkFns = projectableNodes.map(nodes =>
      this.$compile(nodes));

    this.element.empty()!

    linkFns.forEach(linkFn => {
      linkFn(this.scope,
        (clone: Node[]) => {
          compiledProjectableNodes.push(clone);
          this.element.append!(clone);
        });
    });

    return compiledProjectableNodes;
  }

  createComponent(projectableNodes: Node[][]): void {
    const providers: StaticProvider[] = [{provide: $SCOPE, useValue: this.componentScope}];
    const childInjector = Injector.create(
      {providers: providers, parent: this.parentInjector, name: 'DowngradeComponentAdapter'});

    this.componentRef =
        this.componentFactory.create(childInjector, projectableNodes, this.element[0]);
    this.viewChangeDetector =
        this.componentRef.injector.get(ChangeDetectorRef);
    this.changeDetector =
        this.componentRef.changeDetectorRef;
    this.component = this.componentRef.instance;

    const testability = this.componentRef.injector.get(Testability, null);
    if (testability) {
      this.componentRef.injector.get(TestabilityRegistry)
        .registerApplication(this.componentRef.location.nativeElement, testability);
    }

    hookupNgModel(this.ngModel, this.component);
  }

  setupInputs(manuallyAttachView: boolean, propagateDigest = true): void {
    const attrs = this.attrs;
    const inputs = this.componentFactory.inputs || [];

    for (let i = 0; i < inputs.length; i++) {
      const input = new PropertyBinding(inputs[i].propName, inputs[i].templateName);
      let expr: string|null = null;

      if (attrs.hasOwnProperty(input.attr)) {
        const observeFn = (prop => {
          let prevValue = INITIAL_VALUE;
          return (currValue: any) => {
            // Initially, both `$observe()` and `$watch()` will call this function.
            if (!strictEquals(prevValue, currValue)) {
              if (prevValue === INITIAL_VALUE) {
                prevValue = currValue;
              }

              this.updateInput(prop, prevValue, currValue);
              prevValue = currValue;
            }
          };
        })(input.prop);
        attrs.$observe(input.attr, observeFn);

        // Use `$watch()` (in addition to `$observe()`) in
        // order to initialize the input in time
        // for `ngOnChanges()`. This is necessary if we are already in a `$digest`
        // which means that
        // `$observe()` (which is called by a watcher) will run before the `$observe()`
        // callback, `let unwatch: Function|null = this.componentScope.$watch() => {
        // unwatch = null;`
        // else if (attrs.hasOwnProperty(input.bindAttr)) {
        //   expr = attrs[input.bindAttr];
        // } else if (attrs.hasOwnProperty(input.bracketAttr)) {
        //   expr =
  

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attrs[input.bindonAttr];
} else if (attrs.hasOwnProperty(input.bracketParenAttr)) {
  expr = attrs[input.bracketParenAttr];
} else if (expr != null) {
  const watchFn = this.componentScope.$watch((prop => (currValue: any, prevValue: any) => this.updateInput(prop, prevValue, currValue))(input.prop);
  this.componentScope.$watch(expr, watchFn);
} else if (attrs.hasOwnProperty(input.bracketParenAttr)) {
  expr = attrs[input.bracketParenAttr];
} else if (expr != null) {
  const watchFn = (prop => (currValue: any, prevValue: any) => this.updateInput(prop, prevValue, currValue))(input.prop);
  this.componentScope.$watch(expr, watchFn);
}

// Invoke `ngOnChanges()` and Change Detection (when necessary)
const detectChanges = () => this.changeDetector.detectChanges();
const prototype = this.componentFactory.componentType.prototype;
this.implementsOnChanges = !!this.componentFactory.componentType.prototype.ngOnChanges;
this.componentScope.$watch(() => this.inputChangeCount, this.wrapCallback(() => {
  // Invoke `ngOnChanges()`
  if (this.implementsOnChanges) {
    this.inputChanges = {};
    this.componentScope.$watch(() => this.inputChangeCount, this.wrapCallback(() => {
      // If opted out of propagating digests, invoke change detection when inputs change
      if (propagateDigest) {
        this.inputChanges = {};
        this.componentScope.$watch(this.wrapCallback(detectChanges));
      }
      // If not opted out of propagating digests, invoke change detection on every digest
      if (propagateDigest) {
        this.componentScope.$watch(this.tie_digests());
      }
      this.viewChangeDetector.markForCheck();
      // If opted out of propagating digests, invoke change detection when inputs change.
      if (!propagateDigest) {
        detectChanges();
      }
      // If necessary, attach the view so that it will be dirty-checked.
      // (Allow time for the initial input values to be set and `ngOnChanges()` to be called.)
      if (manuallyAttachView || !propagateDigest) {
        let unwatch: Function|null = this.componentScope.$watch(() => {
          unwatch !();
          unwatch = null;
          const appRef = this.parentInjector.get<ApplicationRef>(ApplicationRef);
          appRef.attachView(this.componentRef.hostView);
        });
      }
      if (attrss.hasOwnProperty(onAttr)) {
        this.subscribeToOutput(output, attrs[onAttr], true);
      }
      if (attrss.hasOwnProperty(parenAttr)) {
        this.subscribeToOutput(output, attrs[parenAttr]);
      }
    });
  }
}

setupOutputs() {
  const outputs = this.componentFactory.outputs || [];
  for (let j = 0; j < outputs.length; j++) {
    const output = new PropertyBinding(outputs[j].propName, outputs[j].templateName);
    const bindonAttr = output.bindonAttr.substring(0, output.bindonAttr.length - 6);
    const bracketParenAttr = `[(${output.bracketParenAttr.substring(2, output.bracketParenAttr.length - 8)})]`;
    // order below is important - first update bindings then evaluate expressions
    if (attrs.hasOwnProperty(bindonAttr)) {
      this.subscribeToOutput(output, attrs[bindonAttr], true);
    }
    if (attrs.hasOwnProperty(bracketParenAttr)) {
      this.subscribeToOutput(output, attrs[bracketParenAttr], true);
    }
  }
}

private subscribeToOutput(output: PropertyBinding, expr: string, isAssignment: boolean = false) {
  const getter = this.$parse(expr);
  const setter = getter.assign;
  if (isAssignment && !setter) {
    throw new Error(`Expression '${expr}' is not assignable!`);
  }
  const emitter = this.component[output.prop] as EventEmitter<any>;
  if (emitter) {
    emitter.subscribe({
      next: isAssignment ? (v: any) => setter!(this.scope, v) :
                             (v: any) => getter(this.scope, {'$event': v})
    });
  } else {
    throw new Error(`Missing emitter '${output.prop}' on component

` + getTypeName(this.componentFactory.componentType));
  }
}

registerCleanup() {
  const testabilityRegistry = this.componentRef.injector.get(TestabilityRegistry);
  const destroyComponentRef = this.wrapCallback(() => this.componentRef.destroy());
  let destroyed = false;
  this.element.on('$destroy', () => {
    if (!destroyed) {
      destroyed = true;
      testabilityRegistry.unregisterApplication(this.componentRef.location.nativeElement);
      this.destroyComponentRef();
    }
  });
}

private updateInput(prop: string, prevValue: any, currValue: any) {
  if (this.implementsOnChanges) {
    this.inputChanges[prop] = new SimpleChange(prevValue, currValue, prevValue === currValue);
  }
  this.inputChangeCount++;
  this.component[prop] = currValue;
}

getInjector(): Injector {
  return this.componentFactory.resolvedFactory?.getInjector();
}

.ngContentTypeSelectors = this.componentFactory.ngContentSelectors;
return groupNodesBySelector(this.element.contents() || []);}
}

let wildcardNgContentIndex: number|null = null
for (let i = 0, ii = ngContentType.length; i < ii; ++i) {
```javascript
const ngContentIndex = findMatchingNgContentIndex(node, ngContentSelectors);

for (let j = 0, jj = nodes.length; j < jj; ++j) {
  const node = nodes[j];

  const ngContentIndex = findMatchingNgContentIndex(element, ngContentSelectors);
  if (ngContentIndex !== null) {
    projectableNodes[ngContentIndex].push(node);
  }
}

return projectableNodes;

function findMatchingNgContentIndex(element, ngContentSelectors) {
  const ngContentIndices = []; // Initialize with empty array
  let wildcardNgContentIndex = -1;

  for (let i = 0; i < ngContentSelectors.length; i++) {
    const selector = ngContentSelectors[i];
    if (selector === '*') {
      wildcardNgContentIndex = i;
    } else if (matchesSelector(element, selector)) {
      ngContentIndices.push(i);
    }
  }

  ngContentIndices.sort();

  if (wildcardNgContentIndex !== -1) {
    ngContentIndices.push(wildcardNgContentIndex);
  }
  return ngContentIndices.length ? ngContentIndices[0] : null;
}

function matchesSelector(element, selector) {
  if (_matches) {
    return _matches.call(element, selector);
  } else {
    const elProto = <any>Element.prototype;
    _matches = elProto.matches || elProto.matchesSelector ||
        elProto.mozMatchesSelector || elProto.msMatchesSelector ||
        elProto.oMatchesSelector || elProto.webkitMatchesSelector;
    return elProto.nodeType === Node.ELEMENT_NODE ? _matches.call(element, selector) : false;
  }
}
```

```typescript
/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

import {isFunction} from './util';

export interface Thenable<T> { then(callback: (value: T) => any): any; }

export function isThenable<T>(obj: unknown): obj is Thenable<T> {
  return !!obj && isFunction((obj as any).then);
}

/**
 * Synchronous, promise-like object.
 */
export class SyncPromise<T> {
  protected value: T|undefined;
  private resolved = false;
  private callbacks: ((value: T) => unknown)[] = [];

  static all<T>(valuesOrPromises: (T|Thenable<T>)[]): SyncPromise<T[]> {
    const aggrPromise = new SyncPromise<T[]>();

    let resolvedCount = 0;
    const results: T[] = [];
    const resolve = (idx: number, value: T) => {
      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };

    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });

    return aggrPromise;
  }

  resolve(value: T): void {
    // Do nothing, if already resolved.
    if (this.resolved) return;

    this.value = value;
    this.resolved = true;
    // Run the queued callbacks.
    this.callbacks.forEach(callback => callback(value));
    this.callbacks.length = 0;
    this.then(callback => callback(value));
  }

  then(callback: (value: T) => unknown): void {
    if (this.resolved) {
      callback(this.value);
    } else {
      this.callbacks.push(callback);
    }
  }
}
```

```typescript
/**
 * @description
 *
 * A helper function that allows an Angular component to be used from AngularJS.
 *
 * *Part of the upgrade/static library for hybrid upgrade apps that support AOT compilation*
 *
 * This helper function returns a factory function to be used for registering an AngularJS template for a component.
 *
 * Let's assume that you have an Angular component called `ng2Heroes` that needs to be made available in AngularJS templates.
 *
 * ```typescript
 * @example upgrade/static/cts/full/module.ts region="ng2-heroes"
 * ```
 *
 * We must create an AngularJS directive that wraps the `ng2Heroes` component. In this example the `ng2-heroes-wrapper` directive returns a factory function that we can use to define the AngularJS directive that wraps the `ng2Heroes` component. More details and examples on
 */
```

---

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downgrading Angular components to AngularJS components please
* visit the [Upgrade
guide](guide/upgrade#using-angular-components-from-angularjs-code).\n* @param info contains information
about the Component that is being downgraded:\n* @param info\n* - `component: Type<any>`: The type of the Component that
will be downgraded\n* - `downgradedModule?: string`: The name of the downgraded module (if any) that the
component\n* "belongs to", as returned by a call to `downgradeModule()`. It is the module, whose\n* corresponding Angular module will be bootstrapped, when the component needs to be instantiated.\n* <br />
* (This option is only necessary when using `downgradeModule()` to downgrade more than one\n* Angular
module.\n* - `propagateDigest?: boolean`: Whether to perform [@link ChangeDetectorRef#detectChanges\n* change detection] on the component every\n* [Sdigest](https://docs.angularjs.org/api/ng/type/$rootScope.Scope#$digest). If set to `false`.\n* change detection will still be performed when any of the component's inputs changes.\n* (Default: true)\n* @returns a factory function that can be used to register the component in an AngularJS module.\n* @publicApi
*/
export
function downgradeComponent(info: {
  component: Type<any>; downgradedModule?: string; propagateDigest?: boolean;\n  /** @deprecated since v4. This parameter is no longer used */\n  inputs?: string[];
  /** @deprecated since v4. This parameter is no longer used */\n  outputs?: string[];
  /** @deprecated since v4. This parameter is no longer used */\n  selectors?: string[];
}): any /* angular.IInjectable */ {
  const directiveFactory:
    IDirective = function(
        $compile: ICompileService, $injector: IInjectorService, $parse:
        IParseService): IDirective {
    // When using `downgradeModule()`, we need to handle certain things specially. For
example:
    // - We always need to attach the component view to the `ApplicationRef` for it to be\n    //   dirty-checked.
    // - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the\n    // Angular zone.
    // NOTE: This is not needed, when using `UpgradeModule`, because `Sdigest()` will be run\n    // inside the Angular zone (except if explicitly escaped, in which case we shouldn't\n    // force it back in).
    const isNgUpgradeLite = getUpgradeAppType($injector) === UpgradeAppType.Lite;
    const wrapCallback: <T>(cb: () => T) => typeof cb =
        !isNgUpgradeLite ? cb => cb : cb => () =>
        NgZone.isInAngularZone() ? cb() : ngZone.run(cb);
    let ngZone: NgZone;

    // When downgrading multiple modules, special handling is needed wrt injectors:
    const hasMultipleDowngradedModules =
    isNgUpgradeLite && (getDowngradedModuleCount($injector) > 1);
    return {
      restrict: 'E',
      terminal:
        true,
        require: {
          parentInjector: Injector[Thenable<Injector>]
            [undefined = required[0] = Injector[Thenable<Injector>][undefined = undefined; let
moduleInjector: Injector[Thenable<Injector>][undefined = undefined; let
            if
            try
        const lazyModuleRefKey = `${LAZY_MODULE_REF}${downgradedModule}`;

    // Notes:
    //
    // There are two injectors: `finalModuleInjector` and `finalParentInjector`
    // (they might be\n    // the same instance, but that is irrelevant):\n    // - `finalModuleInjector` is used to retrieve `ComponentFactoryResolver`, thus it must be\n    // on the same tree as the `NgModule` that declares this downgraded component.\n    // - `finalParentInjector` is used for all other injection purposes.\n    // (Note that Angular knows to only traverse the component-tree part of that injector,\n    // when looking for an injectable and then switch to the module
    // injector.\n    // There are basically three cases:\n    // - If there is no parent component (thus no\n    //   `parentInjector`), we bootstrap the downgraded\n    //   'NgModule' and use its injector as both\n    //   `finalModuleInjector` and\n    //   `finalParentInjector`.
    // If there is a parent component (and thus a\n    //   `parentInjector`) and we are sure that it\n    //   belongs to the same `NgModule` as this downgraded component
    //   `parentInjector`, we bootstrap
    //   the parent's NgModule and use its Injection
    //   provider's injector as both\n    //   `finalModuleInjector` and\n    //   `finalParentInjector`.
    // This is the same situation as described above, but
    //   `parentInjector`.
    // If there is neither\n    //   a parent component nor\n    //   a parent NgModule, we\n    //   bootstrap the main\n    //   AppModule and use its injector as both\n    //   `finalModuleInjector` and\n    //   `finalParentInjector`.
    // This is the same situation as described above, but
    //   AppModule.
    // If there is neither\n    //   a parent component nor\n    //   a parent NgModule, we\n    //   bootstrap the main\n    //   AppModule and use its injector as both\n    //   `finalModuleInjector` and\n    //   `finalParentInjector`.
    // This is the same situation as described above, but
    //   AppModule.
    // If there is neither\n    //   a parent component nor\n    //   a parent NgModule, we\n    //   bootstrap the main\n    //   AppModule and use its injector as both\n    //   `finalModuleInjector` and\n    //   `finalParentInjector`.
    // This is the same situation as described above, but
    //   AppModule.
    // If there is neither\n    //   a parent component nor\n    //   a parent NgModule, we\n    //   bootstrap the main\n    //   AppModule and use its injector as both\n    //   `finalModuleInjector` and\n    //   `finalParentInjector`.
    // This is the same situation as described above, but
    //   AppModule.
(e.g. because there is only
  // one downgraded module, we use that `parentInjector` as both
  `finalModuleInjector` and `finalParentInjector`.
  - If there is a parent component, but it may belong
to a different `NgModule`, then we use the `parentInjector` as `finalParentInjector` and this downgraded
  `NgModule`'s injector as `finalModuleInjector`.
  Note 1: If the
  `NgModule` is already bootstrapped, we just get its injector (we don't bootstrap again).
  Note 2: It is possible that (while there are multiple downgraded modules) this component
  // downgraded component and its parent component both belong to the same
  // NgModule. In that case, we could have used the
  `parentInjector` as both
  `finalModuleInjector` and `finalParentInjector`, but (for simplicity) we are
  // treating this case as if they belong to different `NgModule`s. That doesn't really affect
  anything, since `parentInjector` has `moduleInjector` as ancestor
  // and trying to resolve
  `ComponentFactoryResolver` from either one will return the same instance.
  // If there is a parent component, use its injector as parent injector.
  // If this is a "top-level" Angular component, use the module
  injector.
  const finalParentInjector = parentInjector || moduleInjector;

  // If this is a "top-level" Angular component or the parent component may belong to a
  // different `NgModule`, use the module
  injector for module-specific dependencies.
  // If there is a parent component that belongs to the same
  `NgModule`, use its injector.
  const finalModuleInjector = moduleInjector || parentInjector;

  const doDowngrade = (injector: Injector, moduleInjector: Injector) => {
    const componentFactoryResolver: ComponentFactoryResolver =
      moduleInjector.get(ComponentFactoryResolver);
    const componentFactory: ComponentFactory<any> =
      componentFactoryResolver.resolveComponentFactory(info.component); //
    if (!componentFactory) {
      throw new Error(`Expecting ComponentFactory for: ${getTypeName(info.component)}`);
    }
    const injectorPromise = new ParentInjectorPromise(element);
    const facade = new
      DowngradeComponentAdapter(
        element, attrs, scope, ngModel, injector, $injector, $compile, $parse,
        componentFactory, wrapCallback);
    facade.createComponent(projectableNodes);
    facade.setupInputs(isNgUpgradeLite, info.propagateDigest);
    facade.setupOutputs();
    facade.registerCleanup();
    injectorPromise.resolve(facade.getInjector());
    if (ranAsync) {
      // If this is run async, it is possible
      // that it is not run inside an
      // digest and initial input values will not be detected.
      scope.$evalAsync(() => {});
    }
  };

  const downgradeFn =
    !isNgUpgradeLite ? doDowngrade : (pInjector: Injector, mInjector: Injector) => {
      if (!ngZone) {
        ngZone = pInjector.get(NgZone);
      }
      wrapCallback(() => doDowngrade(pInjector, mInjector))();
    };

  SyncPromise.all([finalParentInjector, finalModuleInjector])
    .then(([pInjector, mInjector]) =>
      doDowngradeFn(pInjector, mInjector));

  directiveFactory['$inject'] = [$COMPILE, $INJECTOR, $PARSE];
  return directiveFactory;
}

/**
 * Synchronous promise-like object to wrap parent injectors,
 * to preserve the
 * synchronous nature of AngularJS's
 * `Resource`. *A class ParentInjectorPromise extends SyncPromise.<Injectors>
 * `new private injectorKey: string = controllerKey(INJECTOR_KEY);`;
 * constructor(private element: IAugmentedJQuery) {
 *   super();
 *   // Store the promise on the element.
 *   element.data ![this.injectorKey, this];
 *   this.resolve(injector: Injector): void {
 *     // Store the real injector on the element.
 *     // Resolve the promise.
 *     super.resolve(injector); 
 *   }
 * } */

import {Injector} from '@angular/core';
import {IInjectorService} from './angular1';
import {$INJECTOR, INJECTOR_KEY} from './constants';
import {getTypeName, isFunction, validateInjectionKey} from './util';

/**
 * @description
 *
 * A helper function to
 */

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 *
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 */

import {Injector} from '@angular/core';
allow an Angular service to be accessible from AngularJS. *Part of the
[upgrade/static/api?query=upgrade%2F2Fstatic]* library for hybrid upgrade apps that support AOT compilation.*

* This helper function returns a factory function that provides access to the Angular
service identified by the `token` parameter. * *Example:*  
* First ensure that the service to be downgraded is provided in an `NgModule` that will be part of the upgrade application. For example, let's assume we have an defined `HeroesService` using the `@param` token parameter to identify a service provided from Angular. * *Now we can register the `downgradeInjectable` factory function for the service on an AngularJS module.*

* Inside an AngularJS component's controller we can get hold of the downgraded service via the name we gave when downgrading. * *When using the `downgradeModule()` function, downgraded injectables will not be available until the Angular module that provides them is instantiated. In order to be safe, you need to ensure that the downgraded injectables are not used anywhere outside the part of the app where it is OK to guarantee that their module has been instantiated.*

* For example, it is _OK_ to use a downgraded service in an upgraded component that is only used from a downgraded Angular component provided by the same Angular module as the injectable, but it is _not OK_ to use it in an AngularJS component that may be used independently of Angular or use it in a downgraded Angular component from a different module.*

*/

export function downgradeInjectable(token: any, downgradedModule: string = ''): Function {
  const factory = function($injector: IInjectorService) {
    const injectorKey = `${INJECTOR_KEY}${downgradedModule}`;
    const injectableName = isFunction(token) ? getTypeName(token) : String(token);
    const attemptedAction = `instantiating injectable '${injectableName}'`;

    validateInjectionKey($injector, downgradedModule, injectorKey, attemptedAction);

    const injector: Injector = $injector.get(injectorKey);
    return injector.get(token);
  };
  (factory as any)['$inject'] = [$INJECTOR];

  return factory;
}

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 */

import {ElementRef, Injector, SimpleChanges} from '@angular/core';

import {DirectiveRequireProperty, IAugmentedJQuery, ICompileService, IController, IControllerService, IDirective, IHttpBackendService, IInjectorService, ILinkFn, IScope, ITemplateCacheService, SingleOrListOrMap, element as angularElement} from './angular1';
import {$COMPILE, $CONTROLLER, $HTTP_BACKEND, $INJECTOR, $TEMPLATE_CACHE} from './constants';
import {controllerKey, directiveNormalize, isFunction} from './util';


// Constants
const REQUIRE_PREFIX_RE = /^(\^\^?)?(\?)?(\^\^?)?/;

// Interfaces
export interface IBindingDestination {
  [key: string]: any;
  $onChanges?: (changes: SimpleChanges) => void;
}

export interface IControllerInstance extends IBindingDestination {
  $doCheck?: () => void;
  $onDestroy?: () => void;
  $onInit?: () => void;
  $postLink?: () => void;
}

// Classes
export class UpgradeHelper {
  public readonly $injector: IInjectorService;
  public readonly element: Element;
  public readonly $element: IAugmentedJQuery;
  public readonly directive: IDirective;
  public readonly IController: IControllerService;
  public readonly IHttpBackend: IHttpBackendService;
  public readonly ILinkFn: ILinkFn;
  public readonly IScope: IScope;
  public readonly ITemplateCacheService: ITemplateCacheService;
  public readonly SingleOrListOrMap: SingleOrListOrMap;

  constructor(private injector: Injector, private name: string, elementRef: ElementRef, directive?): UpgradeHelper {
    this.$injector = injector.get($INJECTOR);
    this.$compile = this.$injector.get($COMPILE);
    this.$controller = this.$injector.get($CONTROLLER);
    this.element = elementRef.nativeElement;
    this.directive = directive;
    this.$doCheck = (): void => void;
    this.$onDestroy = (): void => void;
    this.$postLink = (): void => void;
  }

  public readonly Element: IElement;
  public readonly public readonly Selement: IAugmentedJQuery;

  constructor(public readonly this.$injector = injector.get($INJECTOR); this.$compile = this.$injector.get($COMPILE); this.$controller = this.$injector.get($CONTROLLER); this.element = elementRef.nativeElement; this.$element = angularElement(this.element); this.directive = directive || UpgradeHelper.$injector; this.$compile; this.$controller; this.$element; this.$injector; this.$compile; this.$controller; this.$element;
string): IDirective {
    const directives: IDirective[] = $injector.get(name + 'Directive');
    if (directives.length > 1) {
      throw new Error('Only support single directive definition for: ${name}');
    }
    const directive = directives[0];

    // AngularJS will transform `link: xyz` to `compile: () => xyz`. So we can only tell there was a
    // user-defined `compile` if there is no `link`. In other cases, we will just ignore `compile`.
    if (directive.compile & !directive.link) notSupported(name, 'compile');
    if (directive.replace) notSupported(name, 'replace');
    if (directive.terminal) notSupported(name, 'terminal');

    return directive;
  }

  static getTemplate($injector: IInjectorService, directive: IDirective, fetchRemoteTemplate = false, $element?: IAugmentedJQuery): string|Promise<string> {
    if (directive.template !== undefined) {
      return getOrCall<string>(directive.template, $element);
    } else if (directive templateUrl) {
      const $templateCache = $injector.get($TEMPLATE_CACHE) as ITemplateCacheService;
      const url = getOrCall<string>(directive templateUrl, $element);
      const template = $templateCache.get(url);

      if (template !== undefined) {
        return template;
      } else if (!fetchRemoteTemplate) {
        throw new Error('loading directive templates asynchronously is not supported');
      }

      return new Promise((resolve, reject) => {
        const $httpBackend = $injector.get($HTTP_BACKEND) as IHttpBackendService;
        $httpBackend('GET', url, null, (status: number, response: string) => {
          if (status === 200) {
            resolve($templateCache.put(url, response));
          } else {
            reject(`GET component template from '${url}' returned '${status}: ${response}'`);
          }
        });
      });
    } else {
      throw new Error(`Directive '${directive.name}' is not a component, it is missing template.`);
    }
  }

  buildController(controllerType: IController, $scope: IScope) {
    const locals = {'$scope': $scope, '$element': this.$element};
    const controller = this.$controller(controllerType, locals, null, this.directive.controllerAs);

    this.$element.data !(controllerKey(this.directive.name !), controller);

    return controller;
  }

  compileTemplate(template?: string): ILinkFn {
    if (template === undefined) {
      template = UpgradeHelper.getTemplate(this.$injector, this.directive, false, this.$element) as string;
    }

    return this.compileHtml(template);
  }

  onDestroy($scope: IScope, controllerInstance?: any) {
    if (controllerInstance && isFunction(controllerInstance.$onDestroy)) {
      controllerInstance.$onDestroy();
    }
    $scope.$destroy();
    angularElement.cleanData([this.element]);
    angularElement.cleanData(this.element.querySelectorAll('*'));
  }

  prepareTransclusion(): ILinkFn|undefined {
    const transclude = this.directive.transclude;
    const contentChildNodes = this.extractChildNodes();
    const attachChildrenFn: ILinkFn = (scope, cloneAttachFn) => {
      // Since AngularJS v1.5.8, `cloneAttachFn` will try to destroy the transclusion scope if
      // `$template` is empty. Since the transcluded content comes from Angular,
      // not AngularJS, there will be no transclusion scope here. // Provide a dummy `scope.$destroy()` method
      // to prevent `cloneAttachFn` from throwing.
      scope = scope || {$destroy: () => undefined};
      return cloneAttachFn (!$template, scope);
    };
    let $template = contentChildNodes;

    if (transclude) {
      const slots = Object.create(null);
      const slotMap = Object.create(null);
      const filledSlots = Object.create(null);

      // Parse the element selectors.
      Object.keys(transclude).forEach(slotName => {
        let selector = transclude[slotName];
        const optional = selector.charAt(0) === '?';
        selector = optional ? selector.substring(1) : selector;

        slotMap[directiveNormalize(selector.toLowerCase())] = slotName;
        filledSlots[slotName] = null; // null: Defined but not yet filled.
        const slotMapSelector = slotName;
        slots[slotMapSelector] = null;
        for (const slotName of Object.keys(transclude).filter(selector => selector.charAt(0) !== '?')) {
          if (selector) {
            const selector = selector.substring(1);
            slotMapSelector = slotName;
            slotMapSelector = directiveNormalize(selector); // Consider optional slots as filled.
          }
        }
      });
    }
    return attachChildrenFn;
filledSlots[slotName] = true;
slots[slotName] = slots[slotName] || [];
}
else {
  $template.push(node);
  slots[slotName] = slots[slotName] || [];
  slots[slotName].push(node);
}

} else {
  $template.push(node);
}

// Check for required slots that were not filled.
Object.keys(filledSlots).forEach(slotName => {
  if (!filledSlots[slotName]) {
    throw new Error(`Required transclusion slot '${slotName}' on directive: ${this.name}`);
  }
});

Object.keys(slots).filter(slotName => slots[slotName]).forEach(slotName => {
  const nodes = slots[slotName];
  slots[slotName] = (scope: IScope, cloneAttach: ICloneAttachFunction) => {
    return cloneAttach!(nodes, scope);
  };
});

// Check for required slots that were not filled.
Object.keys(filledSlots).forEach(slotName => {
  if (!filledSlots[slotName]) {
    throw new Error(`Required transclusion slot '${slotName}' on directive: ${this.name}`);
  }
});

Object.keys(slots).filter(slotName => slots[slotName]).forEach(slotName => {
  const nodes = slots[slotName];
  slots[slotName] = (scope: IScope, cloneAttach: ICloneAttachFunction) => {
    return cloneAttach!(nodes, scope);
  };
});

// Attach `$$slots` to default slot transclude fn.
attachChildrenFn.$$slots = slots;

// AngularJS v1.6+ ignores empty or whitespace-only transcluded text nodes. But Angular
// removes all text content after the first interpolation and updates it later, after fn // to empty text nodes (which can only be a result of Angular removing their initial content). fn // NOTE: Transcluded text content that starts with whitespace followed by an interpolation fn // will still fail to be detected by AngularJS v1.6+

resolveAndBindRequiredControllers(controllerInstance: IControllerInstance|null) {
  if (controllerInstance && this.directive.bindToController && isMap(this.directiveRequire)) {
    const requiredControllersMap = requiredControllers as {[key: string]: IControllerInstance};
    Object.keys(requiredControllersMap).forEach(key => {
      controllerInstance[key] = requiredControllersMap[key];
    });
  } else {
    throw new Error(`Unrecognized 'require' syntax on upgraded directive '${this.name}': ${require}`);
  }
}

function getOrCall<T>(property: T | Function, ...args: any[]): T {
  return isFunction(property) ? property(...args) : property;
}

function isMap<T>(value: SingleOrListOrMap<T>): value is {[key: string]: T} {
  return value && !Array.isArray(value) && typeof value === 'object';
}

function notSupported(name: string, feature: string) {
  throw new Error(`Upgraded directive '${name}' contains unsupported feature: '${feature}'.`);
}

/**
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 *
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import {Directive, DoCheck, ElementRef, EventEmitter, Inject, Injector, OnInit, OnChanges, OnDestroy, SimpleChange, SimpleChanges, Type} from '@angular/core';
import {IAttributes, IDirective, IDirectivePrePost, IInjectorService, ILinkFn, IScope, ITranscludeFunction} from './..;/common/src/angular1';
import {SCOPES} from './..;/common/src/consts';
import {IBindingDestination, IControllerInstance, UpgradeHelper} from './..;/common/src/upgrade_helper';

const INITIAL_VALUE = {
  __UNINITIALIZED__: true
};
const NOT_SUPPORTED: any = 'NOT_SUPPORTED';

export class UpgradeNg1ComponentAdapterBuilder {
  type!: Type<any>;
  inputs: string[] = [];
  inputsRename: string[] = [];
  outputs: string[] = [];
  outputsRename: string[] = [];
  propertyOutputs: string[] = [];
  checkProperties: string[] = [];
  propertyMap: { [name: string]: string } = {};
  directive: IDirective|null = null;
  template!: string;

  constructor(public name: string) {
    const selector = name.replace(CAMEL_CASE, (all: string, next: string) => '-' + next.toLowerCase());
    const self = this;

    const directive = {selector: selector, inputs: this.inputsRename, outputs: this.outputsRename};

    @Directive({jit: true, ...directive})
    class MyClass extends UpgradeHelper implements OnInit, OnChanges, DoCheck, OnDestroy {

      constructor(@Inject(SCOPES) scope: IScope, injector: Injector, elementRef: ElementRef) {
        super(new UpgradeHelper(injector, name, elementRef, self.directive || undefined), scope,
            self.template,
            self.inputs, self.outputs, self.propertyOutputs, self.checkProperties,
            self.propertyMap) as any;
      }
    }
    this.type = MyClass;
  }

  extractBindings() {
    const btcIsObject = typeof this.directive!.bindToController === 'object';
    if (btcIsObject && Object.keys(this.directive! scope!).length) {
      throw new Error(`Binding definitions on scope and controller at the same time are not supported.`);
    }

    const context = (btcIsObject) ? this.directive! bindToController : this.directive! scope;

    if (typeof context == 'object') {
      Object.keys(context).forEach(propName => {
        const definition = context[propName];
        const bindingType = definition.charAt(0);
        const bindingOptions = definition.charAt(1);
        const attrName = definition.substring(bindingOptions === '?' ? 2 : 1) || propName;

        switch (bindingType) {
          case '@':
          case '<':
            this.inputs.push(inputName);
            this.inputsRename.push(inputNameRename);
            this.propertyMap[inputName] = propName;
            break;
          case '=':
            this.inputs.push(inputName);
            this.inputsRename.push(inputNameRename);
            this.propertyMap[inputName] = propName;
            this.outputs.push(outputName);
            this.outputsRename.push(outputNameRenameChange);
            this.propertyMap[outputName] = propName;
            this.checkProperties.push(propName);
            this.propertyOutputs.push(outputName);
            break;
          case '&':
            this.outputs.push(outputName);
            this.outputsRename.push(outputNameRename);
            this.propertyMap[outputName] = propName;
            break;
        }
      });
    }
  }

  /**
   * Upgrade ng1 components into Angular.
   */
  static resolve(exportedComponents: {[name: string]: UpgradeNg1ComponentAdapterBuilder}, $injector: IInjectorService): Promise<string[]> {
    const promises = Object.keys(exportedComponents).map(name => {
      const exportedComponent = exportedComponents[name];
      exportedComponent.directive = UpgradeHelper.getDirective($injector, name);
      exportedComponent.extractBindings();

      return Promise
          .resolve(UpgradeHelper.getTemplate($injector, exportedComponent.directive, true))
          .then(template => exportedComponent.template = template)
          .then()
          .returnPromise;
    });
    return Promise.all(promises);
  }

  protected get plugin() {
    return 'Upgrade Ng1 Component Adapter';
  }
}

class UpgradeNg1ComponentAdapter implements OnInit, OnChanges, DoCheck {
  private controllerInstance: IControllerInstance;
  destinationObj: IBindingDestination|null = null;
}
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```
directive: IDirective;
  element: Element;
  $element: any = null;
  componentScope: IScope;
  constructor(
    private helper: UpgradeHelper, scope: IScope, private template: string, private inputs: string[],
    private propOuts: string[][],
    private checkProperties: string[],
    private propertyMap: {[key: string]: string}) {
  this.directive = helper.directive;
  this.element = helper.element;
  this.$element = helper.$element;
  this.componentScope = scope.$new(!this.directive.scope);

  const controllerType = this.directive.controller;
  if (this.directive.bindToController & controllerType) {
    const controllerInstance = this.helper.buildController(controllerType, this.componentScope);
    const destinationObj = this.directive.$new();
    if (controllerType & !bindToController) {
      const bindController = this.directive.bindToController;
      this.controllerInstance = this.helper.buildController(controllerType,
        this.componentScope);
    }

    this.directive.checkLastValues.push(INITIAL_VALUE);

    this.ngOnInit();
    const linkFn = this.directive.link;
    const preLink = typeof link == 'object' && link.pre;
    const postLink = typeof link == 'object' ? link.post : link;
    const attrs: IAttributes = NOT_SUPPORTED;
    const transcludeFn: ITranscludeFunction = NOT_SUPPORTED;
    if (preLink) {
      preLink(this.componentScope, this.$element, attrs, this.controllerInstance, transcludeFn);
    }

    linkFn(this.componentScope, null !, {parentBoundTranscludeFn: attachChildNodes});
    if (postLink) {
      postLink(this.componentScope, this.$element, attrs, this.controllerInstance, transcludeFn);
    }

    if (this.controllerInstance && isFunction(this.controllerInstance.$postLink)) {
      this.controllerInstance.$postLink();
    }

    this.controllerInstance.$onChanges(changes: SimpleChanges) {
      object.keys(changes).forEach(name => {
        this.setComponentProperty(name, changes[name]);
        this.$element[name] = changes[name];
      });
    }

    this.ngOnDestroy();
  }

  setComponentProperty(name: string, value: any) {
    this.$element[name] = value;
  }
}
```

*/

`/**
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 * found in the LICENSE file at https://angular.io/license
 */

import {Compiler, CompilerOptions, Injector, NgModule, NgModuleRef, NgZone, StaticProvider, Testability, Type, isDevMode, resolveForwardRef} from '@angular/core';
import {platformBrowserDynamic} from '@angular/platform-browser-dynamic';

import {IAngularBootstrapConfig, IAugmentedJQuery, IInjectorService, IModule, IProvideService, IRootScopeService, ITestabilityService, bootstrap, element as angularElement, module_ as angularModule} from '../../common/src/angular1';
import {$$TESTABILITY, $COMPILE, $INJECTOR, $ROOT_SCOPE, COMPILER_KEY, INJECTOR_KEY, LAZY_MODULE_REF, NG_ZONE_KEY, UPGRADE_APP_KEY, SCOMPAT, SLOGIN_KEY, SROOT_SCOPE, COMPILER_KEY, INJECTOR_KEY, LAZY_MODULE_REF, NG_ZONE_KEY, UPGRADE_APP_TYPE_KEY} from '../../common/src/constants';
import {downgradeComponent} from
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'./common/src/downgrade_component';
imimport {Deferred, LazyModuleRef, UpgradeAppType, controllerKey, onErr
Angular Component to be used from AngularJS.

Use `downgradeNg2Component` to create an AngularJS Directive Definition Factory from a *Angular Component*. The adapter will bootstrap Angular component from within the AngularJS template.

The component is instantiated by being listed in AngularJS template. This means that the AngularJS component's view will be controlled by AngularJS, but the component's view will be controlled by Angular. Even though the component is instantiated in AngularJS, it will be using AngularJS syntax. This has to be done this way because we must follow Angular components do not implement this interface these ways.

In 3. `ng-model` is controlled by AngularJS and communicates with the downgraded Angular component by way of the *ControlValueAccessor* interface from Angular/forms. Only components that implement this interface are eligible.

### Supported Features

- **Attributes**
  - `<comp name="World">`

- **Expression**
  - `<comp [name]="username">`

- **Event**
  - `<comp (close)="doSomething()">`

- **ng-model**
  - `<comp ng-model="name">`

*Content projection*: yes

### Mental Model

1. The component is instantiated by being listed in AngularJS template. This means that the host element is controlled by AngularJS, but the component's view will be controlled by Angular.

### Supported Features

- **BindToController**
  - supported.

- **link**
  - supported.

- **template**
  - supported.

- **templateUrl**
  - supported.

- **transclude**
  - not supported.

- **replace**
  - not supported.

- **restrict**
  - must be set to 'E'.

- **scope**
  - supported.

- **controller**
  - supported.

- **controllerAs**
  - supported.

- **bindToController**
  - supported.

- **link**
  - supported.

- **input**
  - supported.

- **required**
  - supported.

- **restrict**
  - must be set to 'E'.

- **link**
  - supported.

- **template**
  - supported.

- **templateUrl**
  - supported.

- **transclude**
  - supported.

- **replace**
  - not supported.

- **restrict**
  - must be set to 'E'.

- **scope**
  - supported.

- **controller**
  - supported.

- **controllerAs**
  - supported.

- **bindToController**
  - supported.

- **link**
  - supported.

- **template**
  - supported.

- **templateUrl**
  - supported.

- **transclude**
  - supported.

- **replace**
  - not supported.

- **restrict**
  - must be set to 'E'.

- **scope**
  - supported.

- **controller**
  - supported.

- **controllerAs**
  - supported.

- **bindToController**
  - supported.

- **link**
  - supported.

- **template**
  - supported.

- **templateUrl**
  - supported.

- **transclude**
  - supported.

- **replace**
  - not supported.

- **restrict**
  - must be set to 'E'.

- **scope**
  - supported.

- **controller**
  - supported.

- **controllerAs**
  - supported.

- **bindToController**
  - supported.

- **link**
  - supported.

- **template**
  - supported.

- **templateUrl**
  - supported.
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```typescript
((<any>this.ng1ComponentsToBeUpgraded).hasOwnProperty(name)) { return
  this.ng1ComponentsToBeUpgraded[name].type;  
} else { (return (this.ng1ComponentsToBeUpgraded[name] = new UpgradeNg1ComponentAdapterBuilder(name))).type;  
        } }); */

  /**
   * Registers the adapter's AngularJS upgrade module for unit testing in AngularJS.
   * Use this instead of `angular.mock.module()` to load the upgrade module into the AngularJS testing injector.
   *
   * @usageNotes
   * ### Example
   *
   * ```
   * const upgradeAdapter = new UpgradeAdapter(MyNg2Module);
   * 
   * const adapterRef = upgradeAdapterRef;
   *
   * adapterRef.bootstrapDone(this.moduleRef).then(() => {
   *   // Basic example.
   *   
   *   // Do some testing.
   * })
   * ```
   *
   * @param modules any AngularJS modules that the upgrade module should depend upon
   * @returns an `UpgradeAdapterRef`, which lets you register a `ready()` callback to run assertions once the Angular components are ready to test through AngularJS
   */
  registerForNg1Tests(modules?: string[]): UpgradeAdapterRef {
    const windowNgMock = (window as any)['angular'].mock;
    if (!windowNgMock || !windowNgMock.module) {
      throw new Error('Failed to find `angular.mock.module`.');
    }

    this.declareNg1Module(modules);
    windowNgMock.module(this.ng1Module.name);
    const upgrade = new UpgradeAdapterRef();
    this.ng2BootstrapDeferred.promise.then((ng1Injector) => {
      (<any>upgrade)._bootstrapDone(this.moduleRef, ng1Injector);
    }, onError);
    return upgrade;
  }

  /**
   * Bootstrap a hybrid AngularJS / Angular application.
   *
   * This `bootstrap` method is a direct replacement (takes same arguments) for AngularJS `bootstrap` method. Unlike AngularJS this bootstrap is asynchronous.
   *
   * ```
   * const adapter = new UpgradeAdapter(MyNg2Module);
   * const module = angular.module('myExample', []);
   * module.directive('ng2', adapter.downgradeNg2Component(Ng2));
   *
   * module.directive('ng1', function() {
   *   return {
   *     scope: { title: '=' },
   *     template: 'ng1[Hello {{title}}!](<span ng-transclude></span>)'
   *   };
   * });
   *
   * @Component({
   *   selector: 'ng2',
   *   inputs: ['name'],
   *   template: 'ng2[<ng1 [title]="name">transclude</ng1>](<ng-content></ng-content>)'
   * })
   * class Ng2 {
   * }
   *
   * @NgModule({
   *   declarations: [Ng2, adapter.upgradeNg1Component('ng1')],
   *   imports: [BrowserModule]
   * })
   * class MyNg2Module {}
   *
   * document.body.innerHTML = '<ng2 name="World">project</ng2>';
   *
   * adapter.bootstrap(document.body, []).ready(function() {
   *   // Make sure resumeBootstrap() only exists if the current bootstrap is deferred
   *   const windowAngular = (window as any /** TODO #???? */)['angular'];
   *   windowAngular.resumeBootstrap = undefined;
   *   this.ngZone.run(() => { 
   *     bootstrap(element, [this.ng1Module.name], config!);  
   *   })
   *   const ng1BootstrapPromise = new Promise((resolve) => {  
   *     if (windowAngular.resumeBootstrap) {  
   *       // Call resumeBootstrap().
   *       resolve();
   *     } else {  
   *       // Call resolve().
   *       resolve();
   *     }
   *   })
   *   const ng1BootstrapPromisePromised = new Promise((resolve, reject) => {  
   *     resolve();
   *   })
   *   const ng1BootstrapPromisePromisedRes = ng1BootstrapPromisePromised.then(([ng1Injector]) => {  
   *     angular.element(element).data !(controllerKey(INJECTOR_KEY), this.moduleRef !.injector);
   *   })
   *   this.moduleRef
   * ```
   */
  bootstrap(element: Element, modules?: any[], config?: IAngularBootstrapConfig): UpgradeAdapterRef {
    this.declareNg1Module(modules);

    const upgrade = new UpgradeAdapterRef();

    // Make sure resumeBootstrap() only exists if the current bootstrap is deferred
    const windowAngular = (window as any /** TODO #???? */)['angular'];
    windowAngular.resumeBootstrap = undefined;
    this.ngZone.run(() => {
      bootstrap(element, [this.ng1Module.name], config!);
    })
    const ng1BootstrapPromise = new Promise((resolve) => {
      if (windowAngular.resumeBootstrap) {
        resolve();
      } else {
        resolve();
      }
    })
    const ng1BootstrapPromisePromised = new Promise((resolve, reject) => {
      resolve();
    })
    const ng1BootstrapPromisePromisedRes = ng1BootstrapPromisePromised.then(([ng1Injector]) => {
      angular.element(element).data !(controllerKey(INJECTOR_KEY), this.moduleRef !.injector);
    })
    this.moduleRef
```
```typescript
ng1Injector); })
.onError(function(error) { return upgradeReturn; })

/** * Allows AngularJS service to be accessible from Angular.
 * @usageNotes * Example
 */

/** * Allows Angular service to be accessible from AngularJS.
 * @usageNotes * Example
 */
```

```typescript
  upgradeNg1Provider(name: string, options?: {asToken: any}) {
    const token = options && options.asToken || name;
    this.upgradedProviders.push({
      provide: token,
      useFactory: ($injector: IInjectorService) => $injector.get(name),
      deps: ['$INJECTOR']
    });
  }

  declareNg1Module(modules: string[]) {
    const delayApplyExps: Function[] = [];
    let original$applyFn: Function;
    let rootScopePrototype: any;
    let rootScope: IRootScopeService;

    const upgradeAdapter = this;
    const ng1Module = this.ng1Module = angularModule(this.idPrefix, modules);
    const platformRef = platformBrowserDynamic();

    this.ngZone = new NgZone({enableLongStackTrace: Zone.hasOwnProperty('longStackTraceZoneSpec')});
    this.ng2BootstrapDeferred = new Deferred();

    ng1Module.constant(UPGRADE_APP_TYPE_KEY, UpgradeAppType.Dynamic)
        .factory(INJECTOR_KEY, () => this.moduleRef!.injector.get(Injector))
        .factory(LAZY_MODULE_REF,
            [INJECTOR_KEY, (injector: Injector) => ({ injector } as LazyModuleRef)])
        .constant(NG_ZONE_KEY, this.ngZone)
        .factory(Compiler_KEY, () => this.moduleRef!.injector.get(Compiler))
        .config([
          '$provide', '$injector',
          (provide: IProvideService, ng1Injector: IInjectorService) => {
            provide.decorator($ROOT_SCOPE, [
              '$delegate',
              function(rootScopeDelegate: IRootScopeService) {
                // Capture the root apply so that we can delay first
call to $apply until we
                // bootstrap Angular and then we replay and restore the $apply.

                rootScopePrototype = rootScopeDelegate.constructor.prototype;

                if (rootScopePrototype.hasOwnProperty('apply')) {
                  originalSapplyFn = rootScopePrototype.apply;
                  rootScopePrototype.apply = (exp: any) =>
                    throw new Error('Failed to find $apply on %rootScope%');
                }
                if (ng1Injector.has($$TESTABILITY)) {
                  provide.decorator($$TESTABILITY,
                    ['delegate'],
                    function(testabilityDelegate: ITestabilityService) {
                      if (testabilityDelegate.isStable) {
                        callback.apply(this, arguments);
                      } else {
                        testabilityDelegate.whenStable(callback);
                      }
                    });
                  ng2Testability = upgradeAdapter.moduleRef!.injector.get(Testability);
                  if (ng2Testability.isStable()) {
                    callback.apply(this, arguments);
                  } else {
                    ng2Testability.whenStable.whenStable(newWhenStable.bind(this, callback));
                  }
                }
                ng1Module.run(['$injector', '$rootScope',
```
(ng1Injector: IInjectorService, rootScope: IRootScopeService) => {
  UpgradeNg1ComponentAdapterBuilder.resolve(this.ng1ComponentsToBeUpgraded, ng1Injector)
    .then(() =>
      // Note: There is a bug in TS 2.4 that prevents us from inlining this into @NgModule
      // TODO(tbosch): find or file a bug against TypeScript for this.
      const ngModule = {
        providers: [
          {provide: SINJECTOR, useFactory: () => ng1Injector},
          {provide: SCOMPILE, useFactory: () => ng1Injector.get(SCOMPILE)},
          this.upgradedProviders
        ],
        imports: [resolveForwardRef(this.ng2AppModule)],
        entryComponents: this.downgradedComponents
      };
      // At this point we have ng1 injector and we have prepared ng1 components to be upgraded, we now can bootstrap ng2
      @NgModule({jit: true, ...ngModule})
      class DynamicNgUpgradeModule {
        constructor() {}
        ngDoBootstrap() {}
      }
      platformRef
        .bootstrapModule(
          DynamicNgUpgradeModule, [this.compilerOptions !, {ngZone: this.ngZone}])
        .then((ref: NgModuleRef<any>) => {
          this.moduleRef = ref;
          // restore original $apply
          rootScopePrototype.$apply = original$applyFn;
          while (delayApplyExps.length) {
            rootScope.$apply(delayApplyExps.shift());
          }
          rootScopePrototype = null;
        });
    })
    .catch((e) => this.ng2BootstrapDeferred.reject(e));
}

/**
 * Synchronous promise-like object to wrap parent injectors, to preserve the synchronous nature of AngularJS's $compile.
 */
class ParentInjectorPromise {
  // TODO(issue/24571): remove '!'.
  private injector !: Injector;
  private callbacks: ((injector: Injector) => any)[] = [];

  constructor(private element: IAugmentedJQuery) {
    // store the promise on the element
    element.data!(controllerKey(INJECTOR_KEY), this);
  }

  then(callback: (injector: Injector) => any) {
    if (this.injector) {
      callback(this.injector);
    } else {
      this.callbacks.push(callback);
    }
  }

  resolve(injector: Injector) {
    this.injector = injector;
    // reset the element data to point to the real injector
    this.element.data!(controllerKey(INJECTOR_KEY), injector);
    // clean out the element to prevent memory leaks
    this.element = null !; // run all the queued callbacks
    this.callbacks.forEach((callback) => callback(this.injector));
    this.callbacks.length = 0;
  }
}

/**
 * Use `UpgradeAdapterRef` to control a hybrid AngularJS / Angular application.
 *
 * @deprecated Deprecated since v5. Use `upgrade/static` instead, which also supports
 * [Ahead-of-Time compilation](guide/aot-compiler).
 *
 * @publicApi
 */
export class UpgradeAdapterRef {
  /* @internal */
  private _readyFn: ((upgradeAdapterRef: UpgradeAdapterRef) => void)|null = null;

  public ng1RootScope: IRootScopeService = null !;
  public ng1Injector: IInjectorService = null !;
  public ng2ModuleRef: NgModuleRef<any> = null !;
  public ng2Injector: Injector = null !;

  /* @internal */
  private _bootstrapDone(ngModuleRef: NgModuleRef<any>, ng1Injector: IInjectorService) {
    this.ng2ModuleRef = ngModuleRef;
    this.ng2Injector = ngModuleRef.injector;
    this.ng1Injector = ng1Injector;
    this.ng1RootScope = ng1Injector.get($ROOT_SCOPE);
    this._readyFn && this._readyFn(this); // reset the element data to point to the real injector
    this._readyFn = null;
    this._bootstrapDone(ngModuleRef, ng1Injector);
  }

  /**
   * Register a callback function which is notified upon successful hybrid
   * AngularJS / Angular.
   *
   * The `ready` callback function is invoked inside the Angular zone, therefore it does not require a call to `$apply()`.
   * Dispose of running hybrid AngularJS / Angular.
   */
  public ready(fn: (upgradeAdapterRef: UpgradeAdapterRef) => void) {
    this._readyFn = fn;
    this._readyFn = null;
  }

  /**
   * Dispose of running hybrid AngularJS / Angular.
   */
  public dispose() {
    this.ng1Injector.get($ROOT_SCOPE).$destroy();
    this.ng2ModuleRef.destroy();
  }
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 * 
 * Use of this source code is governed by an MIT-style license that can be found in
 */
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found in the LICENSE file at https://angular.io/license

/**
 * @module
 * @description
 * Entry point for all public APIs of this package. allowing
 * @module Angular 1 and Angular 2+ to run side by side in the same
 * @module application.
 */

export {VERSION} from './src/common/src/version';
export {UpgradeAdapter, UpgradeAdapterRef} from './src/dynamic/src/upgrade_adapter';

// This file is not used to build this module. It is only used during editing
// by the TypeScript language service and during build for verification. `ngc` replaces this file with production index.ts when it rewrites private symbols

export * from './public_api';

export * from './index';

/*ng徒行*/
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src.zip/fesm5/upgrade.js.map

No license file was found, but licenses were detected in source scan.

DOWNGRADED_MODULE_COUNT_KEY = '$$angularDowngradedModuleCount';
var GROUP_PROJECTABLE_NODES_KEY = '$$angularGroupProjectableNodes';
var INJECTOR_KEY = '$$angularInjector';
var LAZY_MODULE_REF = '$$angularLazyModuleRef';
var NG_ZONE_KEY = '$$angularNgZone';
var UPGRADE_APP_TYPE_KEY = '$$angularUpgradeAppType';
var REQUIRE_INJECTOR = '?^\^' + INJECTOR_KEY;
var REQUIRE_NG_MODEL = '?ngModel';
var UPGRADE_MODULE_NAME = '$$UpgradeModule';

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

var PropertyBinding = /** @class */ (function () {
    function PropertyBinding(prop, attr) {
        this.prop = prop;
        this.attr = attr;
        this.parseBinding();
    }
    PropertyBinding.prototype.parseBinding = function () {
        this.bracketAttr = "[" + this.attr + "]");
        this.parenAttr = "(" + this.attr + ")";
        this.bracketParenAttr = ")\[" + this.attr + "]\);
        var capitalAttr = this.attr.charAt(0).toUpperCase() + this.attr.substr(1);
        this.onAttr = "on" + capitalAttr;
        this.bindAttr = "bind" + capitalAttr;
        this.bindonAttr = "bindon" + capitalAttr;
    };
    return PropertyBinding;
}());

/**
 * A `PropertyBinding` represents a mapping between a property name
 * and an attribute name. It is parsed from a string of the form
 * `prop: attr` or simply `propAndAttr` where the property
 * and attribute have the same identifier.
 */

DIRECTIVE_PREFIX_REGEXP = /^\(?:x|data):\-__/i;
DIRECTIVE_SPECIAL_CHARS_REGEXP = /[\-_]\+(.)/g;

function onError(e) {
    if (console.error) {
        console.error(e, e.stack);
    } else {
        // tslint:disable-next-line:no-console
        console.log(e, e.stack);
    }
    throw e;
}

function controllerKey(name) {
    return '$' + name + 'Controller';
}

function directiveNormalize(name) {
    return name.replace(DIRECTIVE_PREFIX_REGEXP, '')
        .replace(DIRECTIVE_SPECIAL_CHARS_REGEXP, function (_, letter) { return letter.toUpperCase(); });
}

function getTypeName(type) {
    return type.overriddenName || type.name || type.toString().split('\n')[0];
}

function getDowngradedModuleCount($injector) {
    return $injector.has(DOWNGRADED_MODULE_COUNT_KEY) ?
        $injector.get(DOWNGRADED_MODULE_COUNT_KEY) :
            0;
}

function getUpgradeAppType($injector) {
    return $injector.has(UPGRADE_APP_TYPE_KEY) ?
        $injector.get(UPGRADE_APP_TYPE_KEY) :
            0 /* None */;
}

function validateInjectionKey($injector, downgradedModule, injectionKey, attemptedAction) {
    var upgradeAppType = getUpgradeAppType($injector);
    var downgradedModuleCount = getDowngradedModuleCount($injector);
    // Check for common errors.
    switch (upgradeAppType) {
        case 1 /* Dynamic */:
        case 2 /* Static */:
            if (downgradedModule) {
                throw new Error("Error while " + attemptedAction + ": 'downgradedModule'
                    unexpected.
                    You should not specify a value for 'downgradedModule' unless you are
downgrading more than one Angular module (via \$downgradeModule($\n)).");
            }
            break;
        case 3 /* Lite */:
            if (!downgradedModule && (downgradedModuleCount 
                >= 2)) {
                throw new Error("Error while " + attemptedAction + ": 'downgradedModule'
                    not specified.
                    This application contains more than one downgraded Angular module, thus you
need to always specify \$downgradedModule when downgrading components and
injectables.");
            }
            if ($injector.has(injectionKey)) {
                throw new Error("Error while " + attemptedAction + ": 'downgradedModule'
                    not specified.
                    You should not specify a value for 'downgradedModule' unless you are
downgrading more than one Angular module (via \$downgradeModule($\n)).");
            }
            break;
        case 4 /* Dynamic */:
            if ($injector.has(injectionKey)) {
                throw new Error("Error while " + attemptedAction + ": 'downgradedModule'
                    not specified.
                    You should not specify a value for 'downgradedModule' unless you are
downgrading more than one Angular module (via \$downgradeModule($\n)).");
            }
            break;
        case 5 /* Static */:
            if ($injector.has(injectionKey)) {
                throw new Error("Error while " + attemptedAction + ": 'downgradedModule'
                    not specified.
                    You should not specify a value for 'downgradedModule' unless you are
downgrading more than one Angular module (via \$downgradeModule($\n)).");
            }
            break;
        default:
            throw new Error("Error while " + attemptedAction + ": 'downgradedModule'
                not specified.
                You should not specify a value for 'downgradedModule' unless you are
downgrading more than one Angular module (via \$downgradeModule($\n)).");
    }
}

function Deferred() {
    return new Promise(resolve => { this.resolve = resolve; });
}

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```javascript
() { function Deferred() { var _this = this; this.promise = new Promise(function (res, rej) { _this.resolve = res; _this.reject = rej; })(); return Deferred; }();

/** *
 * @return Whether the passed-in component implements the subset of the 'ControlValueAccessor' interface needed for AngularJS 'ng-model'. *
 * `compatibility` has type `function` & `typeof component.valueChangeComplete === 'function'` (if it exists) to the component (if it implements the needed subset of the 'ControlValueAccessor' interface).
 */

function supportsNgModel(component) { return typeof component.writeValue === 'function' && typeof component.registerOnChange === 'function'; };

/** *
 * Glue the AngularJS 'NgModelController' (if it exists) to the component (if it implements the needed subset of the 'ControlValueAccessor' interface).
 */

function hookupNgModel(ngModel, component) {
    if (ngModel && supportsNgModel(component)) {
        ngModel.$render = function () { component.writeValue(ngModel.$viewValue); };
        component.registerOnChange(ngModel.$setViewValue.bind(ngModel));
        if (typeof component.registerOnTouched === 'function') {
            component.registerOnTouched(ngModel.$setTouched.bind(ngModel));
        }
    }
}

/** *
 * Test two values for strict equality, accounting for the fact that `NaN !== NaN'. *
 */

function strictEquals(val1, val2) { return val1 === val2 || (val1 !== val1 && val2 !== val2); }


```

`$observe()` and `$watch()` will call this function.

```javascript
if (!strictEquals(prevValue, currValue)) {
  if (prevValue === INITIAL_VALUE) {
    prevValue = currValue;
  }
  _this.updateInput(prop, prevValue, currValue);
  prevValue = currValue;
}
```

attrs.$observe(input.attr, observeFn_1);

Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time for `ngOnChanges()`. This is necessary if we are already in a `$digest`, which means that this callback will run before the `$observe()` callback.

```javascript
unwatch_1 = this._componentScope.$watch(function() {
  unwatch_1 = null;
  observeFn_1(attrs[input.attr]);
});
```

else if (attrs.hasOwnProperty(input.bindAttr)) {
  expr = attrs[input.bindAttr];
}

else if (attrs.hasOwnProperty(input.bracketAttr)) {
  expr = attrs[input.bracketAttr];
}

else if (attrs.hasOwnProperty(input.bindonAttr)) {
  expr = attrs[input.bindonAttr];
}

else if (attrs.hasOwnProperty(input.bracketParenAttr)) {
  expr = attrs[input.bracketParenAttr];
}

if (expr != null) {
  var watchFn = (function(prop) { return function(currValue, prevValue) {
    prevValue = currValue;
    return _this.updateInput(prop, prevValue, currValue);
  }; })(input.prop);
  this.componentScope.$watch(expr, watchFn);
}

```

If opted out of propagating digests, invoke change detection when inputs change.

```javascript
if (!propagateDigest) {
  detectChanges();
}
```

 important - first update bindings then evaluate expressions

```javascript
if (attrs.hasOwnProperty(bindonAttr)) {
  this.subscribeToOutput(output, attrs[bindonAttr], true);
}
```

if (attrs.hasOwnProperty(bracketAttr)) {
  this.subscribeToOutput(output, attrs[bracketAttr], true);
}

if (attrs.hasOwnProperty(onAttr)) {
  this.subscribeToOutput(output, attrs[onAttr], true);
}

```javascript
D downgradeComponentAdapter.prototype.subscribeToOutput = function(output, attr, true) {
  if (attrs.hasOwnProperty(bracketOnAttr)) {
    this.subscribeToOutput(output, attrs[bracketOnAttr], true);
  }
  if (attrs.hasOwnProperty(outputOnAttr)) {
    this.subscribeToOutput(output, attrs[outputOnAttr], true);
  }
  var getter = this.$parse(expr);
  var setter = getter.assign;
  if (isAssignment && !setter) {
    throw new Error("Expression " + expr + " is not assignable!");
  }
  var emitter =
```

```javascript
D downgradeComponentAdapter.prototype.setupOutputs = function() {
  var attrs = this.attrs;
  var outputs = this.componentFactory.outputs || [];
  for (var j = 0; j < outputs.length; j++) {
    var output = new PropertyBinding(outputs[j].propName, outputs[j].templateName);
    var bindonAttr = output.bindonAttr.substring(0, output.bindonAttr.length - 6);
    var bracketParenAttr = "[(" + output.bracketParenAttr.substring(2, output.bracketParenAttr.length - 8) + ")]
```

```javascript
try {
  if (this.toString().indexOf(throwStatement) > -1) {
    var error = this.createError();
    throw error;
  }
```
this.component[output.prop];
  if (emitter) {
    emitter.subscribe({
      next: isAssignment
    });
  }
}

if (emitter) {
    emitter.subscribe({
        next: isAssignment
    });
} else {
    throw new Error("Missing emitter '{\"output.prop\'} on component '{\"+ getTypeName(this.componentFactory.componentType) + '{\"!}'");
}

DowngradeComponentAdapter.prototype.registerCleanup = function () {
    var _this = this;
    var testabilityRegistry = this.componentRef.injector.get(core.TestabilityRegistry);
    var destroyComponentRef = this.wrapCallback(function () {
        return _this.componentRef.destroy();
    });
    var destroy = false;
    this.element.on('destroy', function () {
        if (!_destroyed) {
            destroy = true;
        }
    });
    testabilityRegistry.unregisterApplication(_this.componentRef.location.nativeElement);
    destroyComponentRef();
}

DowngradeComponentAdapter.prototype.getInjector = function () { return this.componentRef.injector; };

DowngradeComponentAdapter.prototype.groupProjectableNodes = function () {
    var ngContentSelectors = this.componentFactory.ngContentSelectors;
    return groupNodesBySelector(ngContentSelectors, this.element.contents());
}

function groupNodesBySelector(ngContentSelectors, nodes) {
    var projectableNodes = [];
    var wildcardNgContentIndex;
    for (var i = 0, ii = ngContentSelectors.length; i < ii; ++i) {
        projectableNodes[i] = [];
        for (var j = 0, jj = nodes.length; j < jj; ++j) {
            var node = nodes[j];
            var ngContentIndex = findMatchingNgContentIndex(node, ngContentSelectors);
            if (ngContentIndex != null) {
                projectableNodes[ngContentIndex].push(node);
            }
        }
    }
    return projectableNodes;
}

function findMatchingNgContentIndex(element, ngContentSelectors) {
    var ngContentIndices = [];
    var wildcardNgContentIndex = -1;
    for (var i = 0; i < ngContentSelectors.length; i++) {
        var selector = ngContentSelectors[i];
        if (selector === '*') {
            wildcardNgContentIndex = i;
        } else {
            if (matchesSelector(element, selector)) {
                ngContentIndices.push(i);
            }
        }
    }
    ngContentIndices.sort();
    if (wildcardNgContentIndex !== -1) {
        ngContentIndices.push(wildcardNgContentIndex);
    }
    return ngContentIndices.length ? ngContentIndices[0] : null;
}

function matchesSelector(el, selector) {
    if (!_matches) {
        var elProto = Element.prototype;
        _matches = elProto.matches || elProto.matchesSelector ||
            elProto.mozMatchesSelector ||
            elProto.msMatchesSelector ||
            elProto.oMatchesSelector ||
            elProto.webkitMatchesSelector;
    }
    return el.nodeType === Node.ELEMENT_NODE ? _matches.call(el, selector) : false;
}

SyncPromise.prototype.resolve = function (value) {
    // Do nothing, if already resolved.
    if (!_resolved) {
        _resolved = true;
    }
    // Run the queued callbacks.
    this.callbacks.forEach(function (callback) { return callback(value); });
}

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this.callbacks.length = 0; 
}];
SyncPromise.prototype.then = function (callback) {
  if (this.resolved) {
    callback(this.value);
  } else {
    this.callbacks.push(callback);
  }
}
return SyncPromise;

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 * Use of this source code is governed by an MIT-style license that can be
 * found in the LICENSE file at https://angular.io/license
 */
/**
 * @description
 * A helper function that allows an Angular component to be used from AngularJS.
 * Part of the [upgrade/static](api?query=upgrade%2Fstatic) library for hybrid upgrade apps that support AOT
 * compilation
 * This helper function returns a factory function to be used for registering
 * an AngularJS wrapper directive for `\downgrading\` an Angular component.
 * @license
 * @usageNotes
 * # Examples
 * Let's assume that you have an Angular component called `ng2Heroes` that needs
 * to be made available in AngularJS templates.
 * We must create an AngularJS [directive](https://docs.angularjs.org/guide/directive) that
 * will make this Angular component available inside AngularJS templates.
 * The `\downgradeComponent()` function returns a factory function that we can use to define the AngularJS directive that wraps the
 * \downgraded\` component.
 * For more details and examples on downgrading Angular components to AngularJS
 * components please visit the [Upgrade guide](guide/upgrade#using-angular-components-from-angularjs-code).
 * @param info contains information about the Component that is being downgraded:
 * - `component: Type<any>`: The type of the Component that will be downgraded
 * - `downgradedModule?: string`: The name of the downgraded module (if any) that the component
 *   "belongs to", as returned by a call to `\downgradeModule()`. It is the module, whose
 *   corresponding Angular module will be bootstrapped, when the component needs to be instantiated.
 *   (Default: true)
 * - `propagateDigest?: boolean`: Whether to perform `ChangeDetectorRef#detectChanges` on every
 *   change detection will still be performed when any of the component's inputs changes.
 *   (Default: true)
 * @returns a factory function that can be used to register the component in an
 * AngularJS module.
 * @usageNotes
 * # Example
 * We always need to attach the component view to the `ApplicationRef` for it to be
 * dirty-checked.
 * - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the
 *   Angular zone.
 * NOTE: This is not needed, when using `UpgradeModule`, because `\$digest()` will be run
 * inside the Angular zone (except if explicitly escaped, in which case we shouldn't
 * force it back in);
 * var isNgUpgradeLite = getUpgradeAppType($injector) === 3 /* Lite */;
 * var wrapCallback = isNgUpgradeLite ? function (cb) { return cb; } : function (cb) { return
 *   function () { return core.NgZone.isInAngularZone() ? cb() :
 *   ngZone.run(cb); }; };
 * var ngZone;
 * When downgrading multiple modules, special handling is needed wrt injectors.
 * var hasMultipleDowngradedModules = isNgUpgradeLite && (getDowngradedModuleCount($injector) > 1);
 * return 
 * terminal: true,
 * require: [REQUIRE.Injector, REQUIRE_NG_MODEL],
 * link: function (scope, element, attrs, required) {
 *   // We might have to compile the contents asynchronously, because this might have been
 *   // triggered by `UpgradeNg1ComponentAdapterBuilder`, before the
 *   Angular templates have
 *   // been compiled
 *   var ngModel = required[1];
 *   var parentInjector = required[0];
 *   var moduleInjector = undefined;
 *   var ranAsync = false;
 *   if (!parentInjector || hasMultipleDowngradedModules) {
 *     var downgradedModule = info.downgradedModule;
 *     var lazyModuleRefKey = \"\" + LAZY_MODULE_REF +
 *       downgradedModule;
 *     var attemptedAction = \"\" +
 *       getแขนType(info.component) + \"\";
 *     validateInjectionKey($injector, downgradedModule,
 *       lazyModuleRefKey, attemptedAction);
 *     var lazyModuleRef = $injector.get(lazyModuleRefKey);
 * }};
```javascript
var _b = __read(_a, 2), pInjector = _b[0], mInjector = _b[1];
return downgradeFn(pInjector, mInjector);
```

```javascript
var _this = this;
return this;
```

```javascript
ParentInjectorPromise.prototype.
```

```javascript
ParentInjectorPromise.prototype.resolve = function (injector) {
    this.element.data(this.injectorKey, injector);
    this.element = null;
    _super.prototype.resolve.call(this, injector);
};
```

```javascript
function downgradeInjectable(token, downgradedModule) {
    if (downgradedModule === void 0) { downgradedModule = ''; }
    var factory = function ($injector) {
        var injectorKey = "" + INJECTOR_KEY + downgradedModule;
        var injectableName = isFunction(token) ? getTypeName(token) : String(token);
        var attemptedAction = "instantiating injectable '" + injectableName + "'";
        validateInjectionKey($injector, downgradedModule, injectorKey, attemptedAction);
        var injector = $injector.get(injectorKey);
        return injector.get(token);
    };
    factory['$inject'] = [$INJECTOR];
    return factory;
}
```

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Angular, not AngularJS,

// there will be no transclusion scope here.

// Provide a dummy `scope.$destroy()` method to prevent `cloneAttachFn` from throwing.
scope = scope || { $destroy: function () { return undefined; } };

return cloneAttachFn($template, scope);

var $template = contentChildNodes;

if (transclude) {

var mandatory = Object.create(null);

var slots_1 = mandatory;

if (typeof transclude === 'object') {

$template = [ ];

var slotMap_1 = Object.create(null);

var filledSlots_1 = Object.create(null);

// Parse the element selectors.

Object.keys(transclude).forEach(function (selectorName) {

var selector = transclude[selectorName];

var optional = selector.charAt(0) === '?';

selector = optional ? selector.substring(1) : selector;

var slotMap_1[selector] = slotName;

var slots_1[slotName] = null; // `null`: Defined but not yet filled.

var filledSlots_1[slotName] = optional; // Consider optional slots as filled.

});

// Add the matching elements into their slot.

contentChildNodes.forEach(function (node) {

var slotName = slotMap_1[directiveNormalize(node.nodeName.toLowerCase())];

if (slotName) {

var nodes = slots_1[slotName];

slots_1[slotName] = function (scope, cloneAttach) {

return cloneAttach(nodes, scope);

}();

});

// Attach `$$slots` to default slot transclude fn.

attachChildrenFn.$$slots = slots_1;

// AngularJS v1.6+ ignores empty or whitespace-only transcluded text nodes. But Angular

// removes all text content after the first interpolation and updates it later, after

// evaluating the expressions. This would result in AngularJS failing to recognize text

// nodes that start with an interpolation as transcluded content and use the fallback

// content instead.

// To avoid this issue, we add

// `[zero-width non-joiner character](https://en.wikipedia.org/wiki/Zero-width_non-

// joiner)` to empty text nodes (which can only be a result of Angular removing their initial content).

// NOTE: Transcluded text content that starts with whitespace followed by an interpolation

// will still fail to be detected by AngularJS v1.6+.

$template = contentChildNodes;

if (transclude) {

var slots_1 = Object.create(null);

Object.keys(slots_1).filter(function (slotName) { return slots_1[slotName]; })

.forEach(function (slotName) {

var nodes = slots_1[slotName];

slots_1[slotName] = function (scope) {

return cloneAttach(nodes, scope);

}();

});

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slots_1[slotName] = function (scope, cloneAttach) {

return cloneAttach(nodes, scope);

}();

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var slots_1 = Object.create(null);

Object.keys(slots_1).filter(function (slotName) { return slots_1[slotName]; })

.forEach(function (slotName) {

var nodes = slots_1[slotName];

slots_1[slotName] = function (scope) {

return cloneAttach(nodes, scope);

}();

});

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// To avoid this issue, we add

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// joiner)` to empty text nodes (which can only be a result of Angular removing their initial content).

// NOTE: Transcluded text content that starts with whitespace followed by an interpolation

// will still fail to be detected by AngularJS v1.6+.
Object.keys(context).forEach(function (propName) {
                    var definition = context[propName];

                    var bindingType = definition.charAt(0);
                    var bindingOptions = definition.charAt(1);
                    var attrName = definition.substring(bindingOptions === '?' ? 2 : 1) || propName;
                    var inputName = "input_" + attrName;
                    var outputName = "output_" + attrName;
                    var inputNameRename = inputName + ": " + attrName;
                    var outputNameRename = outputName + ": " + attrName;
                    var outputNameRenameChange = outputNameRename + \"Change\";

                    var ctrlKey = controllerKey(name_1);
                    var elem = startOnParent ? this.$element.parent() : this.$element;

                    var ctrlKey = controllerKey(name_1);
                    var elem = startOnParent ? this.$element.parent() : this.$element;

                    var ctrlKey = controllerKey(name_1);
                    var elem = startOnParent ? this.$element.parent() : this.$element;

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                    var elem = startOnParent ? this.$element.parent() : this.$element;

                    var ctrlKey = controllerKey(name_1);
                    var elem = startOnParent ? this.$element.parent() : this.$element;

                    var ctrlKey = controllerKey(name_1);
                    var elem = startOnParent ? this.$element.parent() : this.$element;
```javascript
            case '<':
                _this.inputs.push(inputName); 
                _this.inputsRename.push(inputNameRename); 
                _this.propertyMap[inputName] = propName;
                break;
            case '=':
                _this.inputs.push(inputName); 
                _this.inputsRename.push(inputNameRename); 
                _this.propertyMap[inputName] = propName;
                _this.outputs.push(outputName);
                _this.outputsRename.push(outputName RenameChange);
                _this.propertyMap[outputName] = propName;
                _this.checkProperties.push(propName);
            case '&':
                _this.outputs.push(outputName);
                _this.outputsRename.push(outputName Rename);
                _this.propertyMap[outputName] = propName;
                break;
            default:
                var json = JSON.stringify(context); 
                throw new Error("Unexpected mapping '" + bindingType + "' in '" + json + '" in '" + _this.name + '" directive.");
        }
    });

    /**
     * Upgrade ng1 components into Angular.
     */
    UpgradeNg1ComponentAdapterBuilder.resolve = function (exportedComponents, $injector) {
        var promises = 
            Object.keys(exportedComponents).map(function (name) {
                var exportedComponent = exportedComponents[name];
                exportedComponent.directive = UpgradeHelper.getDirective($injector, name);
                exportedComponent.extractBindings();
                return Promise
                    .resolve(UpgradeHelper.getTemplate($injector, exportedComponent.directive, true))
                    .then(function (template) { return exportedComponent.template = template; });
            });
        return Promise.all(promises);
    }();

    var UpgradeNg1ComponentAdapter = /** @class */ (function () {
        function UpgradeNg1ComponentAdapter(helper, scope, template, inputs, outputs, propOuts, checkProperties, propertyMap) {
            this.helper = helper;
            this.template = template;
            this.inputs = inputs;
            this.outputs = outputs;
            this.propOuts = propOuts;
            this.checkProperties = checkProperties;
            this.propertyMap = propertyMap;
            this.controllerInstance = null;
            this.destinationObj = null;
            this.checkLastValues = [];
            this.$element = null;
            this.directive = helper.directive;
            this.element = helper.element;
            this.$element = helper.$element;
            this.componentScope = scope.$new(!!this.directive.scope);
            var controllerType = this.directive.controller;
            if (this.directive.bindToController && controllerType) {
                this.controllerInstance = this.helper.buildController(controllerType, this.componentScope);
            }
            else {
                this.controllerInstance = this.componentScope;
            }
            for (var i = 0; i < inputs.length; i++) {
                this[inputs[i]] = null;
            }
            for (var j = 0; j < outputs.length; j++) {
                var emitter = this[outputs[j]] = new core.EventEmitter();
                if (this.propOuts.indexOf(outputs[j]) === -1) {
                    this.setComponentProperty(outputs[j], (function (emitter) {
                        return function (value) { return emitter.emit(value); }; })(emitter));
                }
            }
            for (var k = 0; k < propOuts.length; k++) {
                this.checkLastValues.push(INITIAL_VALUE$1);
            }
        }

        UpgradeNg1ComponentAdapter.prototype.ngOnInit = function () {
            // Collect contents, insert and compile template
            var attachChildNodes = this.helper.prepareTransclusion();
            var linkFn = 
                this.helper.compileTemplate(this.template);
                // Instantiate controller (if not already done so)
                var controllerType = this.directive.controller;
                var bindToController = this.directive.bindToController;
                if (controllerType && !bindToController) {
                    this.controllerInstance = this.helper.buildController(controllerType, this.componentScope);
                }
                // Require other controllers
                var requiredControllers = this.helper.resolveAndBindRequiredControllers(this.controllerInstance);
                var controllerInstance = 
                    this.helper.buildController(controllerType, this.componentScope);
                // Linking
                var link = this.directive.link;
                var preLink = typeof link == 'object' && link.pre;
                var postLink = typeof link == 'object' && link.post;
                var varPreLink = typeof link == 'object' && link.pre;
                var varPostLink = typeof link == 'object' && link.post;
                var var attrs = NOT_SUPPORTED;
                var transcludeFn = NOT_SUPPORTED;
                if (preLink) {
                    var preLink = this.componentScope.$controllerScope.$controllerScope,
                var preLink = this.componentScope.$controllerScope.$controllerScope.$controllerScope;
```
UpgradeNg1ComponentAdapter.prototype.ngOnChanges = function (changes) {
    var _this = this;
    ng1Changes = {};
    Object.keys(changes).forEach(function (name) {
        var change = changes[name];
        _this.setComponentProperty(name, change.currentValue);
        ng1Changes[_this.propertyMap[name]] = change;
    });
    if (isFunction(this.destinationObj.$onChanges)) {
        this.destinationObj.$onChanges(ng1Changes);
    }
    UpgradeNg1ComponentAdapter.prototype.ngDoCheck = function () {
        var destinationObj = this.destinationObj;
        var lastValues = this.checkLastValues;
        var checkProperties = this.checkProperties;
        var propOuts = this.propOuts;
        checkProperties.forEach(function (propName, i) {
            var value = destinationObj[propName];
            var last = lastValues[i];
            if (!strictEquals(last, value)) {
                var eventEmitter = _this[propOuts[i]];
                eventEmitter.emit(lastValues[i] = value);
            }
        });
        if (this.controllerInstance && isFunction(this.controllerInstance.$doCheck)) {
            this.controllerInstance.$doCheck();
        }
    };
    UpgradeNg1ComponentAdapter.prototype.ngOnDestroy = function () {
        this.helper.onDestroy(this.componentScope, this.controllerInstance);
    };
    UpgradeNg1ComponentAdapter.prototype.setComponentProperty = function (name, value) {
        this.destinationObj[this.propertyMap[name]] = value;
    };

    /**
     * @license
     * Copyright Google Inc. All Rights Reserved.
     *
     * Use of this source code is governed by an MIT-style license that can be
     * found in the LICENSE file at https://angular.io/license
     */
    upgradeCount = 0;

    /**
     * Use `UpgradeAdapter` to allow AngularJS and Angular to coexist in a
     * single application.
     *
     * The `UpgradeAdapter` allows:
     * 1. creation of Angular component from
     *    AngularJS component directive
     *    (See 
     *    UpgradeAdapter#upgradeNg1Component()
     * 2. creation of
     *    AngularJS directive from Angular component.
     *    (See 
     *    UpgradeAdapter#downgradeNg2Component()
     * 3. Bootstrapping of a hybrid Angular application which contains both of the frameworks
     *    coexisting in a
     *    single application.
     * 4. Angular components always execute inside AngularJS framework codebase regardless of
     *    where they are instantiated.
     * 5. An AngularJS component can be upgraded to an Angular component. This creates an
     *    Angular directive, which bootstraps the AngularJS component directive in that location.
     * 6. An Angular component can be downgraded to an AngularJS component directive. This creates
     *    an AngularJS directive, which bootstraps the Angular component in that location.
     * 7. Whenever an adapter component is instantiated the host element is owned by the framework
     *    doing the instantiation. The other framework then instantiates
     *    and owns the view for that
     *    component. This implies that component bindings will always follow the
     *    semantics of the
     *    instantiation framework. The syntax is always that of Angular syntax.
     */

    function (name, value) {
        this.destinationObj[name] = value;
        return UpgradeNg1ComponentAdapter.prototype.
            ngDoCheck = function () {
        var this
            controllerInstance
            controllerInstance
            $postLink
            controllerInstance
            $postLink
            controllerInstance
            controllerInstance.
            $onChanges
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            controllerInstance.
controlled by Angular, but the component's view will be controlled by
* AngularJS.
* - `directive` option:
  * `factory function` (constructor)
  * `directives` (parent scope)
  * `directiveController` ( isolate scope)
  * `controller` (controller)
  * `controllerAs` (controller)
  * `scope` (controller)
  * `replace` (controller)
  * `templateUrl` (controller)
  * `uses` (controller)
  * `invoker` (controller)

* `controllerAs` (controller): supported.
  * `uses` (controller): not supported.

* `controller` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.
  * `required` (controller): supported.
  * `restrict` (controller): supported.

* `controller` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.

* `controllerAs` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.

* `scope` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.

* `type` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.

* `controller` (controller): supported.
  * `uses` (controller): supported.
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* `controllerAs` (controller): supported.
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  * `invoke` (controller): supported.

* `controllerAs` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.

* `scope` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.

* `type` (controller): supported.
  * `uses` (controller): supported.
  * `invoke` (controller): supported.
UpgradeAdapter.prototype.bootstrap = function (element$1, modules, config) {
  return upgrade;
};

UpgradeAdapter.prototype.downgradeNg2Provider = function (token) {
  return downgradeInjectable(token);
};

UpgradeAdapter.prototype.upgradeNg1Provider = function (name, options) {
  return upgradeInjectable(name, options);
};

document.body.innerHTML = '<ng2 name="World">project</ng2>';

adapter.bootstrap(document.body, ['myExample']).ready(function() {
  expect(document.body.textContent).toEqual('World');
});
This method is automatically called by `bootstrap()` and `registerForNg1Tests()`. It
returns The AngularJS upgrade module that is declared by this method.

Example:
```javascript
const upgradeAdapter = new UpgradeAdapter(MyNg2Module);

upgradeAdapter.declareNg1Module([HeroApp]);
```

### Example
```javascript
const upgradeAdapter = new UpgradeAdapter(MyNg2Module);

upgradeAdapter.declareNg1Module(['heroApp']);
```
Open Source Used In MSX SD-WAN Service Pack 3.9.0

---

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*/

/**
 * Generated bundle index. Do not edit.
 */

exports.UpgradeAdapter = UpgradeAdapter;
exports.UpgradeAdapterRef = UpgradeAdapterRef;
exports.VERSION = VERSION;
Object.defineProperty(exports, '__esModule', { value: true });

})

sourceMappingURL=upgrade.umd.js.map

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-src-
zip/bundles/upgrade.umd.min.js.map

No license file was found, but licenses were detected in source scan.

{"version":3,"file":"upgrade-
static.umd.js","sources":[]}
"../../../../../../../packages/upgrade/src/common/src/angular1.ts","../../../../../../../external/npm/nod
e_modules/tslib/tslib.es6.js","../../../../../../../packages/upgrade/src/common/src/constants.ts","../../../../../../../packages/
upgrade/src/common/src/component_info.ts","../../../../../../../packages/upgrade/src/common/src/util.ts","../../../../../../../packages/
upgrade/src/common/src/downgrade_component_adapter.ts","../../../../../../../packages/upgrade/src/common/src/promise_util.ts","../../../../../../../packages/upgrade/src/common/src/downgrade_component.ts","../../../../../../../packages/
AngularBootstrapConfig) =>
  IInjectorService,\n  module: (prefix: string, dependencies?: string[]) =>
  IModule,\n  element: {\n    (e: string | Element | Document | IAugmented JQuery): \n  },\n  cleanData: (nodes: Node[] | NodeList) => void,\n  injector: (modules: Array<string|IInjectable>, strictDi?: boolean) => IInjectorService,

resumeBootstrap: () => void,\n  getTestability: (e: Element) => ITestabilityService,\n  module: (prefix: string, dependencies?: string[]) =>
  IModule,\n  element: {
    (e: string | Element | Document | IAugmentedJQuery): IAugmentedJQuery;
    cleanData: (nodes: Node[] | NodeList) => void;
  },
  injector: (modules: Array<string|IInjectable>, strictDi?: boolean) => IInjectorService,
  version: {major: number},
  resumeBootstrap: () => void,
  getTestability: (e: Element) => ITestabilityService
} = {
  bootstrap: noNg,
  module: noNg,
  element: noNgElement,
  injector: noNg,
  version: undefined as any,
  resumeBootstrap: noNg,
  getTestability: noNg
};

try {
  if (window.hasOwnProperty('angular')) {
    angular = (<any>window).angular;
  }
} catch {
  // ignore in CJS mode.
}

/**
 * @deprecated Use `setAngularJSGlobal` instead.
 *
 * @publicApi
 */
export function setAngularLib(ng: any): void {
  setAngularJSGlobal(ng);
}

/**
 * @deprecated Use `getAngularJSGlobal` instead.
 *
 * @publicApi
 */
export function getAngularLib(): any {
  return getAngularJSGlobal();
}

/**
 * Resets the current AngularJS global.
 *
 * @publicApi
 */
export function setAngularJSGlobal(ng: any): void {
  angular = ng;
}

/**
 * Returns the current AngularJS global.
 *
 * @publicApi
 */
export function getAngularJSGlobal(): any {
  return angular;
}

export const bootstrap: typeof angular.bootstrap = (e, modules, config?) => angular.bootstrap(e, modules, config);

// Do not declare as `module` to avoid webpack bug
// (see https://github.com/angular/angular/issues/30050).
export const module_: typeof angular.module = (prefix, dependencies?) => angular.module(prefix, dependencies);

export const element: typeof angular.element = (e => angular.element(e)) as typeof angular.element;
element.cleanData = nodes => angular.element.cleanData(nodes);

export const injector: typeof angular.injector = (modules: Array<string|IInjectable>, strictDi?: boolean) => angular.injector(modules, strictDi);

export const resumeBootstrap: typeof angular.resumeBootstrap = () => angular.resumeBootstrap();

export const getTestability: typeof angular.getTestability = e => angular.getTestability(e);

export const extendStatics = function(d, b) {
  extendStatics = Object.setPrototypeOf ||
        ({ __proto__: [] } instanceof Array && function (d, b) { d.__proto__ = b; }) ||
        function (d, b) { for var p in b if (b.hasOwnProperty(p)) d[p] = b[p]; };
  return extendStatics(d, b);
};

export function __extends(d, b) {
  extendStatics(d, b);
  function __() { this.constructor = d; }
  d.prototype = b === null ? Object.create(b) : (__.prototype = b.prototype, new __());
}

export var __assign = function() {
  __assign = Object.assign || function __assign(t) {
        for var s, i = 1, n = arguments.length; i < n; i++ {
            s = arguments[i];
            for (var p in s) if (Object.prototype.hasOwnProperty.call(s, p)) t[p] = s[p];
        }
  }
  return __assign.apply(this, arguments);
}

export function __rest(s, e) {
  var t = {};
  for (var p in s) if (Object.prototype.hasOwnProperty.call(s, p) &
      & e.indexOfOf(p) < 0) t[p] = s[p];
  if (s != null && & typeof Object.prototype.getOwnPropertySymbols === "function")
    for (var i = 0, p = Object.getPrototypeOfSymbols(s); i < p.length; i++)
      t[p[i]] = s[p[i]]; return t;
}

export function __decorate(decorators, target, key, desc) {
  var p = arguments.length, i = "__assign" in Object.prototype ? Object.prototype.__assign ||
    function __assign(t) {
      for (var s, i = 1, n = arguments.length; i < n; i++) {
        s = arguments[i];
        for (var p in s) if (Object.prototype.hasOwnProperty.call(s, p))
          t[p] = s[p];
      };
  }
  var t = {};
  for (var p in target) t[p] = target[p];
  for (var p in desc) t[p] = desc[p];
  if (Object.prototype.hasOwnProperty.call(s, p) &
      & e.indexOfOf(p) < 0) t[p] = s[p];
  if (s != null && & typeof Object.prototype.getOwnPropertySymbols === "function")
    for (var i = 0, p = Object.getPrototypeOfSymbols(s); i < p.length; i++)
      t[p[i]] = s[p[i]]; return t;
}

export function global Reflect, Promise ?

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See the Apache License 2.0 License for specific language governing permissions and limitations under the License.
let letter = letter.toUpperCase();
export function getTypeName(type: Type<any>): string {
  return type.name || type.overriddenName ||
    type.toSource().split('\n')[0];
}

export function getDowngradedModuleCount($injector: IInjectorService): number {
  return $injector.has(DOWNGRADED_MODULE_COUNT_KEY) ?
    $injector.get(DOWNGRADED_MODULE_COUNT_KEY) : 0;
}

function getUpgradeAppType($injector: IInjectorService): UpgradeAppType {
  return UpgradeAppType.None;
}

function isFunction(value: any): value is Function {
  return typeof value === 'function';
}

export class Deferred<R> {
  promise: Promise<R>;
  resolve: (value?: R | PromiseLike<R>) => void;
  reject: (error?: any) => void;

  constructor() {
    this.promise = new Promise((res, rej) => {
      this.resolve = res;
      this.reject = rej;
    });
  }
}

export interface LazyModuleRef {
  injector?: Injector;
  promise?: Promise<Injector>;
}

const enum UpgradeAppType {
  None,
  Dynamic,
  Static,
  Lite,
}

/**
 * @return Whether the passed-in component implements the subset of
 * the `ControlValueAccessor` interface needed for
 * AngularJS `ng-model` compatibility.
 */
function supportsNgModel(component: any) {
  return typeof component.writeValue === 'function' &&
      typeof component.registerOnChange === 'function';
}

/**
 * Glue the AngularJS `NgModelController` (if it exists) to the component
 * (if it implements the needed subset of the `ControlValueAccessor
 * interface needed for AngularJS `ng-model` compatibility)
 */
export function hookupNgModel(ngModel: INgModelController,
    component: any) {
  if (ngModel && supportsNgModel(component)) {
    ngModel.$render = () => {
      component.writeValue(ngModel.$viewValue); };
    component.registerOnChange(ngModel.$setViewValue.bind(ngModel));
    if (typeof
      component.registerOnTouched === 'function') {
      component.registerOnTouched(ngModel.$setTouched.bind(ngModel));
    }
  }
}

/**
 * Test two values for strict equality, accounting for the fact that `NaN` !=
 * `NaN`. 
 */
function strictEquals(val1: any, val2: any): boolean {
  return val1 === val2 || (val1 !== val1 && val2 !== val2);
}
import {PropertyBinding} from './component_info';
import {$SCOPE} from './constants';
import {getTypeName, hookupNgModel, strictEquals} from './util';

const INITIAL_VALUE = {
  __UNINITIALIZED__: true
};

export class DowngradeComponentAdapter {
  private implementsOnChanges = false;
  private inputChangeCount: number = 0;
  private inputChanges: SimpleChanges = {};
  private componentScope: IScope;
  // TODO(issue/24571): remove `!`. private componentRef !: ComponentRef<any>;
  private component!:
    any;
  // TODO(issue/24571): remove `!`. private changeDetector!: ChangeDetectorRef;
  // TODO(issue/24571): remove `!`. private viewChangeDetector!: ChangeDetectorRef;
    this.componentScope = scope.$new();
  }

  compileContents(): Node[][] {
    const compiledProjectableNodes: Node[][] = [];
    const projectableNodes: Node[][] = this.groupProjectableNodes();
    const linkFns = projectableNodes.map(nodes =>
      this.$compile(nodes));

    this.element.empty();

    linkFns.forEach(linkFn => {
      linkFn(this.scope, (clone: Node[]) => {
        compiledProjectableNodes.push(clone);
        this.element.append(clone);
      });
    });

    return compiledProjectableNodes;
  }

  createComponent(projectableNodes: Node[][]) {
    const providers: StaticProvider[] = [{provide: $SCOPE, useValue: this.componentScope}];
    const childInjector = Injector.create({providers: providers, parent: this.parentInjector, name: 'DowngradeComponentAdapter'});
    this.componentRef = this.componentFactory.create(childInjector, projectableNodes, this.element[0]);
    this.changeDetector = this.componentRef.changeDetectorRef;
    this.component = this.componentRef.instance;

    // testability hook is commonly added during component bootstrap in
    // packages/core/src/application_ref.bootstrap()
    // in downgraded application, component creation will take place here as well as adding the
    // testability hook.
    const testability = this.componentRef.injector.get(Testability, null);
    if (testability) {
      this.componentRef.injector.get(TestabilityRegistry).registerApplication(this.componentRef.location.nativeElement, testability);
    }

    hookupNgModel(this.ngModel, this.component);
    return this.componentRef.injector.get(Testability, null);
  }

  setupInputs(manuallyAttachView: boolean, propagateDigest = true): void {
    const attrs = this.attrs;
    const inputs = this.componentFactory.inputs || [];
    for (let i = 0; i < inputs.length; i++) {
      const input = new PropertyBinding(inputs[i].propName, inputs[i].templateName);
      let expr: string | null = null;

      if (attrs.hasOwnProperty(input.attr)) {
        const observeFn = (prop => {
          let prevValue = INITIAL_VALUE;
          return (currValue: any) => {
            // Initially, both `$observe()` and `$watch()` will call this function.
            if (!strictEquals(prevValue, currValue)) {
              if (prevValue === INITIAL_VALUE) {
                prevValue = currValue;
              }
              this.updateInput(prop, prevValue, currValue);
              prevValue = currValue;
            }
          };
        })(input.prop);
        attrs.$observe(input.attr, observeFn);

        // Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time
        // for `ngOnChanges()`. This is necessary if we are already in a `$digest`,
        // which means that `ngOnChanges()` (which is called by a watcher) will run before the `$observe` callback.
        let unwatch: Function | null = null;
        FunctionName = this.componentScope.$watch(() => {
          return (currValue: any) => {
            unwatch = null;
            observeFn(attrs[input.attr]);
          };
        }, (expr) => {
          unwatch = null;
          observeFn(attrs[input.attr]);
          if (prop => {
            if (expr !== null) {
              const watchFn = (prop => (currValue: any) => {
                if (strictEquals(prevValue, currValue)) {
                  if (prevValue === INITIAL_VALUE) {
                    prevValue = currValue;
                  }
                  this.updateInput(prop, prevValue, currValue);
                  prevValue = currValue;
                }
              })(input.prop);
              attrs.$observe(input.attr, observeFn);
              this.$compile(this.element); // Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time
              // for `ngOnChanges()`. This is necessary if we are already in a `$digest`,
              // which means that `ngOnChanges()` (which is called by a watcher) will run before the `$observe` callback.
              let unwatch: Function | null = null;
              (func) => {
                return (currValue: any) => {
                  unwatch = null;
                  observeFn(attrs[input.attr]);
                  if (prop => {
                    if (expr !== null) {
                      const watchFn = (prop => (currValue: any) => {
                        if (strictEquals(prevValue, currValue)) {
                          if (prevValue === INITIAL_VALUE) {
                            prevValue = currValue;
                          }
                          this.updateInput(prop, prevValue, currValue);
                          prevValue = currValue;
                        }
                      })(input.prop);
                    })(input.prop);
                  })(this.componentScope.$watch(expr, watchFn));
                };
              };
            } else if (attrs.hasOwnProperty(input.bindAttr)) {
              expr = expr || attrs[input.bindAttr];
            } else if (attrs.hasOwnProperty(input.bracketAttr)) {
              expr = expr || attrs[input.bracketAttr];
            } else if (attrs.hasOwnProperty(input.parenAttr)) {
              expr = expr || attrs[input.parenAttr];
            }
        };
      }
    }
  }
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```javascript
const selector = ngContentSelectors[i];
if (selector === '*') {
  wildcardNgContentIndex = i;
} else {
  if (matchesSelector(element, selector)) {
    ngContentIndices.push(i);
  }
}
ngContentIndices.sort();

if (wildcardNgContentIndex !== -1) {
  ngContentIndices.push(wildcardNgContentIndex);
}
return ngContentIndices.length ? ngContentIndices[0] : null;

let _matches: (this: any, selector: string) => boolean;

function matchesSelector(el: any, selector: string): boolean {
  if (!_matches) {
    const elProto = <any>Element.prototype;
    _matches = elProto.matches || elProto.matchesSelector ||
        elProto.mozMatchesSelector ||
        elProto.msMatchesSelector ||
        elProto.oMatchesSelector ||
        elProto.webkitMatchesSelector;
  }
  return el.nodeType === Node.ELEMENT_NODE ? _matches.call(el, selector) : false;
}

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 */

import {isFunction} from './util';

export interface Thenable<T> { then(callback: (value: T) => any): any; }

export function isThenable<T>(obj: unknown): obj is Thenable<T> {
  return !!obj && isFunction((obj as any).then);
}

/**
 * Synchronous, promise-like object.
 */
export class SyncPromise<T> {
  protected value: T|undefined;
  private resolved = false;
  private callbacks: ((value: T) => unknown)[] = [];

  static all<T>(valuesOrPromises: (T|Thenable<T>)[]): SyncPromise<T[]>, {
    const aggrPromise = new SyncPromise<T[]>();

    let resolvedCount = 0;
    const results: T[] = [];
    const resolve = (idx: number, value: T) => {
      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };

    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });

    return aggrPromise;
  }

  resolve(value: T): void {
    // Do nothing, if already resolved.
    if (this.resolved) return;

    this.value = value;
    this.resolved = true;

    thiscallbacks.forEach(callback => callback(value));
    this.callbacks.length = 0;
    then(callback: (value: T) => unknown): void {
      if (this.resolved) callback(this.value);
      else {
        thiscallbacks.push(callback);
        this.callbacks.length = 0;
      }
    }
  }

  then(callback: (value: T) => unknown): void {
    if (this.resolved) callback(this.value);
    else {
      this.callbacks.push(callback);
      this.callbacks.length = 0;
    }
  }

  /**
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   *
   * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
   */

   import {ComponentFactory, ComponentFactoryResolver, Injector, NgZone, Type} from '@angular/core';

   import {IAnnotatedFunction, IAttributes, IAugmentedJQuery, ICompileService, IDirective, IInjectorService, INgModelController, IParseService, IScope} from './angular1';
   import {$COMPILE, $INJECTOR, $PARSE, INJECTOR_KEY, LAZY_MODULE_REF, REQUIRE_INJECTOR, REQUIRE_NG_MODEL} from './constants';
   import {LazyModuleRef, UpgradeAppType, controllerKey, getDowngradedModuleCount, getTypeName, getUpgradeAppType, validateInjectionKey} from './util';

   /**
    * @description
    *
    * A helper function that allows an Angular component to be used from AngularJS.
    *
    * *Part of the [upgrade/static](api?query=upgrade%2Fstatic) library for hybrid upgrade apps that support AOT compilation*
    *
    * This helper function returns a factory function to be used for registering an AngularJS component.
    *
    * ### Examples
    *
    * Let's assume that you have an Angular component called `ng2Heroes` that needs to be made available in AngularJS templates.
    *
    * ```
    * // module.ts
    *
    * import}/{@example upgrade/static/ts/full/module.ts region="ng2-heroes"}
    *
    * // register the component
    * NgModule
    * ```
    *
    * For more details and examples on downgrading Angular components to AngularJS components please visit the [Upgrade guide](guide/upgrade#using-angular-components-from-anguarjs-code).
    */
```
corresponding Angular module will be bootstrapped, when the component needs to be instantiated.*<br/>
 * (This option is only necessary when using `downgradeModule()` to downgrade more than one Angular module.)
 *
 * `propagateDigest?: boolean`: Whether to perform [link ChangeDetectorRef#detectChanges change detection] on the component on every

 [.digest](https://docs.angularjs.org/api/ng/type/$RootScope.Scope#digest). If set to `false`, change detection will still be performed when any of the component's inputs changes. (Default: true)
 *
 * `inputs?: string[]): Any */
 *
 * `outputs?: string[]): Any */
 *
 * `selectors?: string[]): Any */
 *
 * @returns a factory function that can be used to register the component in an Angular module.
 *
 * @publicApi
 */
export function downgradeComponent(info: {
  component: Type<any>; downgradedModule?: string; propagateDigest?: boolean; /* @deprecated since v4. This parameter is no longer used */
  inputs?: string[]; /* @deprecated since v4. This parameter is no longer used */
  outputs?: string[]; /* @deprecated since v4. This parameter is no longer used */
  selectors?: string[]; /* @deprecated since v4. This parameter is no longer used */
}): any /* angular.IInjectable */ {
    // When using `downgradeModule()`, we need to handle certain things specially. For example
    // - We always need to attach the component view to the `ApplicationRef` for it to be dirty- checked.
    // - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the Angular zone.
    // - For `UpgradeNg1ComponentAdapterBuilder`, the Angular templates have not been compiled, in which case we shouldn't force it back in.
    const isNgUpgradeLite = getUpgradeAppType($injector) === UpgradeAppType.Lite;
    const wrapCallback: <T>(cb: () => T) => typeof cb = isNgUpgradeLite ? cb => cb : cb => () => NgZone.isInAngularZone() ? cb() : ngZone.run(cb);
    let ngZone: NgZone;

    // When downgrading multiple modules, special handling is needed when using an Angular zone.
    // - When using `UpgradeModule`, we always need to attach the component view to the `ApplicationRef` for it to be dirty- checked.
    // - For `UpgradeNg1ComponentAdapterBuilder`, the Angular templates have not been compiled, in which case we shouldn't force it back in.
    // - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the Angular zone.
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    // - For `UpgradeNg1ComponentAdapterBuilder`, the Angular templates have not been compiled, in which case we shouldn't force it back in.
    // - We need to ensure callbacks to Angular APIs (g
2: It is possible that (while there are multiple downgraded modules) this
   // downgraded component and its parent component both belong to the same NgModule.
   // In that case, we could have used the `parentInjector` as both
   // `finalModuleInjector` and `finalParentInjector`, but (for simplicity) we are
   // treating this case as if they belong to different `NgModule`'s. That doesn't
   // really affect anything, since `parentInjector` has `moduleInjector` as ancestor
   // and trying to resolve `ComponentFactoryResolver` from either one will return
   // the same instance.
   // If there is a parent component, use its injector as parent injector.
   // If this is a "top-level" Angular component, use the module injector.
   const finalParentInjector = parentInjector || moduleInjector !;

   // If there is a parent component that belongs to the same
   // `NgModule`, use its injector.
   const finalModuleInjector = moduleInjector || parentInjector !;

   const doDowngrade = (injector: Injector, moduleInjector: Injector) => {
     // Retrieve `ComponentFactoryResolver` from the injector tied to the `NgModule` this
     // component belongs to.
     const componentFactoryResolver = ComponentFactoryResolver
         .resolveComponentFactory(injector, moduleInjector) !;
     const componentFactory: ComponentFactory<any> =
         componentFactoryResolver.resolveComponentFactory(info.component) !;

     if (!componentFactory) {
       throw new Error(`Expecting ComponentFactory for: ${getTypeName(info.component)}`);
     }

     const injectorPromise = new ParentInjectorPromise(element);
     const facade = new DowngradeComponentAdapter(
         element, attrs, scope, ngModel, injector, Sinjector, $compile, $parse,
         componentFactory, wrapCallback);

     const projectableNodes = facade.compileContents();
     facade.createComponent(projectableNodes);
     facade.setupInputs(isNgUpgradeLite, info.propagateDigest);
     facade.setupOutputs();
     facade.registerCleanup();

     injectorPromise.resolve(facade.getInjector());

     if (ranAsync) {
       // If this is run async, it is possible
       // that it is not run inside `scope`.digest and initial input values will not be detected.
       scope.$evalAsync(() => {});
     }
   };

   const downgradeFn =
       !isNgUpgradeLite ? doDowngrade : (pInjector: Injector, mInjector: Injector) => {
         if (!ngZone) {
           ngZone = pInjector.get(NgZone);
         }

         wrapCallback(() => doDowngrade(pInjector, mInjector))();
       };

   // NOTE:
   // Not using `ParentInjectorPromise.all()` (which is inherited from `SyncPromise`), because
   // Closure Compiler (or some related tool) complains:
   // `TypeError: ...$src$downgrade_component_ParentInjectorPromise.all is not a function`
   SyncPromise.all([finalParentInjector, finalModuleInjector])
       .then(([pInjector, mInjector]) => {
         downgradeFn(pInjector, mInjector);
       });

   ranAsync = true;
  };

  // bracket-notation because
  of closure - see #1444
  directiveFactory['$inject'] = [
    $COMPILE, $INJECTOR, $PARSE];
  return directiveFactory;
}

/**
 * @license
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 *
 * Use of this source code is governed by an MIT-style license that can be found in the
 * LICENSE file at https://angular.io/license
 */

import {Injector} from '@angular/core';
import {IInjectorService} from './angular1';
import {$INJECTOR, INJECTOR_KEY} from './constants';
import {getTypeName, isFunction, validateInjectionKey} from './util';

/**
 * @description
 *
 * A helper function to allow an Angular service to be accessible from AngularJS.
 *
 * *Part of the [upgrade/static](api?query=upgrade%2Fstatic)
 * library for hybrid upgrade apps that support AOT compilation*
 *
 * @usageNotes
 * ### Examples
 *
 * First ensure that the service to be downgraded is provided in an `NgModule`.
 */

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defined `HeroesService`:

```typescript
@angular/core

@publicApi
export function downgradeInjectable(token: any, downgradedModule: string = ''): Function {
  const factory = function($injector: IInjectorService) {
    const injectorKey = `${INJECTOR_KEY}${downgradedModule}`;
    const injectableName = isFunction(token) ? getTypeName(token) : String(token);
    const attemptedAction = `instantiating injectable '${injectableName}'`;

    validateInjectionKey($injector, downgradedModule, injectorKey, attemptedAction);

    const injector: Injector = $injector.get(injectorKey);
    return injector.get(token);
  };
  (factory as any)['$inject'] = [INJECTOR];

  return factory;
}
```

```typescript
/**
 * @license
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 *
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 * found in the LICENSE file at https://angular.io/license
 */

/**
 * @module
 * @description
 *
 * Entry point for all public APIs of the common package.
 */

import {Version} from '@angular/core';

/**
 *
 * @publicApi
 */
export const VERSION = new Version('9.0.7');
```

```typescript
/**
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 * found in the LICENSE file at https://angular.io/license
 */

import {IInjectorService} from '../../src/common/src/angular1';

// We have to do a little dance to get the ng1 injector into the module injector.
// We store the ng1 injector so that the provider in the module injector can access it
// When we get the ng1 injector from the module injector, which triggers the provider to read it
// the stored injector and release the reference to it.

let tempInjectorRef: IInjectorService|null = null;
export function setTempInjectorRef(injector: IInjectorService) {
  tempInjectorRef = injector;
}
export function injectorFactory() {
  if (!tempInjectorRef)
    throw new Error('Trying to get the AngularJS injector before it being set.');

  const injector: IInjectorService = tempInjectorRef;
  tempInjectorRef = null;  // clear the value to prevent memory leaks
  return injector;
}
```
NOT_FOUND_CHECK_ONLY_ELEMENT_INJECTOR as
NOT_FOUND_CHECK_ONLY_ELEMENT_INJECTOR from '@angular/core':
export class
NgAdapterInjector implements Injector {
  constructor(private modInjector: Injector) {}

  // When Angular locate a service in the component injector tree, the not found value is set to
  // NOT_FOUND_CHECK_ONLY_ELEMENT_INJECTOR. In such a case we should not walk up to the module
  // injector. // AngularJS only supports a single tree and should always check the module injector.
  get(token: any, notFoundValue?: any): any {
    if (notFoundValue ===
      NOT_FOUND_CHECK_ONLY_ELEMENT_INJECTOR) {
      return notFoundValue;
    }

    return
    this.modInjector.get(token, notFoundValue);
  }
}

/**
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 * Reserved.
 *
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 * LICENSE file at https://angular.io/license
 */

import {Injector, NgModuleFactory, NgModuleRef,
StaticProvider} from '@angular/core';
import {platformBrowser} from '@angular/platform-browser';

import
{IInjectorService, IProvideService, module_ as angularModule} from '../../src/common/src/angular1';
import
{$INJECTOR, $PROVIDE, DOWNGRADED_MODULE_COUNT_KEY, INJECTOR_KEY,
LAZY_MODULE_REF, UPGRADE_APP_TYPE_KEY, UPGRADE_MODULE_NAME} from
'../../src/common/src/constants';
import {LazyModuleRef, UpgradeAppType, getDowngradedModuleCount,
UpgradeAppType} from '../../src/common/src/util';
import {LazyModuleRef, UpgradeAppType, setTempInjectorRef} from
'./angular1_providers';
import {NgAdapterInjector} from './util';

let moduleUid = 0;

/**
 * @description
 * A helper function for creating an AngularJS module that can bootstrap an Angular module
 * on-demand (possibly lazily) when a @link downgradeComponent downgraded component needs to be
 * instantiated.
 *
 * Part of the [upgrade/static](api?query=upgrade/static) library for hybrid upgrade apps that
 * support AOT compilation. It allows loading/bootstrapping the Angular part of a hybrid application lazily and not having to pay the cost up-front. For example, you can have an AngularJS application that uses Angular for specific routes and only instantiate the Angular modules if/when the user visits one of these routes. The Angular module will be bootstrapped once (when requested for the first time) and the same reference will be used from that point onwards.
 * `downgradeModule()` requires either an NgModuleFactory or a function:
 * - `NgModuleFactory`: If you pass an `NgModuleFactory`, it will be used to instantiate a module using `platformBrowser`'s `bootstrapModuleFactory`.
 * - `Function`: If you pass a function, it is expected to return a promise resolving to an `NgModuleRef`. The function is called with an array of extra `StaticProvider Providers` that are expected to be available from the returned `NgModuleRef`'s `Injector`.
 * `downgradeModule()` returns the name of the created AngularJS wrapper module. You can use it to declare a dependency in your main AngularJS module.
 *
 * For more details on how to use `downgradeModule()` see the [Upgrading for Performance](guide/upgrade-performance) guide.
 *
 * You cannot use `downgradeModule()` and `UpgradeModule` in the same hybrid application. The `UpgradeModule` helps to ensure that the two frameworks are properly notified about possible changes. However, `downgradeModule()` may not run automatically in the Angular part of the application. What this means is that applications using `UpgradeModule` will run change detection more frequently in order to ensure that both frameworks are properly notified about possible changes. This will inevitably result in more change detection runs than necessary.

For more details on how to use `downgradeModule()`, see the [Upgrading for Performance](guide/upgrade-performance) guide. You can use it to declare a dependency in your main AngularJS module. Unlike `UpgradeModule`, `downgradeModule()` does not bootstrap the main AngularJS module inside the (global) Angular zone and does not automatically run when detected in the Angular part of the application. What this means is that applications using `UpgradeModule` will run change detection more frequently in order to ensure that both frameworks are properly notified about possible changes. This will inevitably result in more change detection runs than necessary. However, `downgradeModule()` may not run automatically in the Angular part of the application. The `UpgradeModule` helps to ensure that the two frameworks are properly notified about possible changes.
detection runs only to cases where it knows it is
* necessary (e.g. when the inputs of a downgraded component
change). This improves performance, especially in change-detection-heavy applications, but leaves it up to the
developer to manually notify each framework as needed. For a more detailed discussion of the
differences and their implications, see [Upgrading for Performance](guide/upgrade-performance). You can manually trigger a change detection run in AngularJS using

```html
<% you can manually trigger a change detection run in AngularJS using %>
```

For a more detailed discussion of the differences and their implications, see 
[Upgrading for Performance](guide/upgrade-performance).

You can manually trigger a change detection run in AngularJS using

- `scope.$apply(...)
- `$rootScope.$digest()`

Manually trigger a change detection run in Angular using `@link NgZone#run
- `NgZone.run(...)`

### Downgrading multiple modules

It is possible to downgrade multiple modules and include them in an AngularJS application. In that case, each downgraded module will be bootstrapped when an associated downgraded component or injectable needs to be instantiated. Things to keep in mind, when downgrading multiple modules:

- Each downgraded component/injectable needs to be explicitly associated with a downgraded module. See `DowngradeComponent()` and `downgradeInjectable()` for more details.
- If you want some injectables to be shared among all downgraded modules, you can provide them as static providers, when creating the `PlatformRef` (e.g. via `platformBrowser` or `platformBrowserDynamic`). When using `@link PlatformRef#bootstrapmodule ’bootstrapModule()’` or `@link PlatformRef#bootstrapmodulefactory ’bootstrapModuleFactory()’` to bootstrap the downgraded modules, each one is considered a ‘root’ module. As a consequence, a new instance will be created for every injectable provided in the ‘root’ module (via

```javascript
@link Injectable#providedIn
```

If this is not your intention, you can have a module that will act as a root module and create all downgraded modules using that module's injector. By default, each module is considered a "root" module. As a consequence, a new instance will be created for every injectable provided in the "root" module. If this is not your intention, you can have a shared module (that will act as the "root" module) and create all downgraded modules using that module's injector:

```javascript
platformBrowser(extraProviders).bootstrapModuleFactory(moduleFactoryOrBootstrapFn); let injector:
```

```javascript
// Create an ng1 module to bootstrap.
```

```javascript
angularModule(lazyModuleName, [])
```

```javascript
.config(["$INJECTOR", "$PROVIDE", 
```

```javascript
($injector: IInjectorService, $provide: IProvideService) => {
```

```javascript
$provide.constant(DOWNGRADED_MODULE_COUNT_KEY, getDowngradedModuleCount($injector) + 1);
```

```javascript
(Sinjector: InjectableService) => {
```

```javascript
(Sinjector: InjectableService) => {
```

```javascript
(Sinjector: InjectableService) => {
```

```javascript
(Sinjector: InjectableService) => {
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(Sinjector: InjectableService) => {
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```javascript
(Sinjector: InjectableService) => {
```

```javascript
(Sinjector: InjectableService) => {
```

```javascript
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```
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```typescript
from './constants';
import {controllerKey, directiveNormalize, isFunction} from './util';

// Constants
const REQUIRE_PREFIX_RE = /^(\^\^?)?(\?)?(\^\^?)?/;

// Interfaces
export interface IBindingDestination {
  [key: string]: any;
  $onChanges?: (changes: SimpleChanges) => void;
}

export interface IControllerInstance extends IBindingDestination {
  $doCheck?: () => void;
  $onDestroy?: () => void;
  $onInit?: () => void;
  $postLink?: () => void;
}

// Classes
export class UpgradeHelper {
  public readonly $injector: IInjectorService;
  public readonly element: Element;
  public readonly $element: IAugmentedJQuery;
  public readonly directive: IDirective;

  private readonly $compile: ICompileService;

  constructor(
      private injector: Injector, private name: string, elementRef: ElementRef,
      directive?: IDirective) {
    this.$injector = injector.get($INJECTOR);
    this.$compile = this.$injector.get($COMPILE);
    this.$controller = this.$injector.get($CONTROLLER);

    this.element = elementRef.nativeElement;
    this.$element = angularElement(this.element);

    this.directive = directive || UpgradeHelper.getDirective(this.$injector, name);
  }

    const directives: IDirective[] = $injector.get(name + 'Directive');
    if (directives.length > 1) {
      throw new Error('Only support single directive definition for: ' + name);
    }

    const directive = directives[0];

    // AngularJS will transform `link: xyz` to `compile: () => xyz`. So we can only tell there was an
    // user-defined `compile` if there is no `link`. In other cases, we will just ignore `compile`. If
    // (directive.compile & !directive.link) notSupported(name, 'compile');
    if (directive.compile && !directive.replace) notSupported(name, 'replace');
    if (directive.terminal) notSupported(name, 'terminal');

    return directive;
  }

  static getTemplate($injector: IInjectorService, directive: IDirective, fetchRemoteTemplate = false, $element?: IAugmentedJQuery): string|Promise<string> {
    if (directive.template !== undefined) {
      return getOrCall<string>(directive.template, $element);
    } else if (directive.templateUrl) {
      const $templateCache = $injector.get($TEMPLATE_CACHE) as ITemplateCacheService;
      const url = getOrCall<string>(directive.templateUrl, $element);
      const template = $templateCache.get(url);

      if (template !== undefined) {
        return template;
      } else if (!fetchRemoteTemplate) {
        throw new Error('loading directive templates asynchronously is not supported');
      }

      return new Promise((resolve, reject) => {
        const $httpBackend = $injector.get($HTTP_BACKEND) as IHttpBackendService;
        $httpBackend('GET', url, null, (status: number, response: string) => {
          if (status === 200) {
            resolve($templateCache.put(url, response));
          } else {
            reject(`GET component template from '${url}' returned '${status}: ${response}'`);
          }
        });
      });
    } else {
      throw new Error(`Directive '${directive.name}' is not a component, it is missing template.`);
    }
  }

  buildController(controllerType: IController, $scope: IScope) {
    // TODO: Document that we do not pre-assign bindings on the controller
    const locals = {'$scope': $scope, '$element': this.$element};
    const controller = this.$controller(controllerType, locals, null,
      this.directive.controllerAs);

    this.$element.data !(controllerKey(this.directive.name !), controller);

    return controller;
  }

  compileTemplate(template?: string): ILinkFn {
    if (template === undefined) {
      template = UpgradeHelper.getTemplate(this.$injector, this.directive, false, this.$element) as string;
    }

    return this.compileHtml(template);
  }

  onDestroy($scope: IScope, controllerInstance?: any) {
    if (controllerInstance && isFunction(controllerInstance.$onDestroy)) {
      controllerInstance.$onDestroy();
    }
    $scope.$destroy();

    // Clean the jQuery/jqLite data on the component+child elements.
    // Equivalent to how jQuery/jqLite invoke `cleanData` on an Element (this.element)
    // https://github.com/angular/angular.js/blob/6d6ddc5f830f902a3d22f4b2aeb70bd864d688c82/src/jqLite.js L306-L312
    // `cleanData` will invoke the AngularJS `Sdestroy` DOM event
    // https://github.com/angular/angular.js/blob/6d6ddc5f830f902a3d22f4b2aeb70bd864d688c82/src/Angular.js L1911-L1924
    angularElement.cleanData([this.element]);
    angularElement.cleanData(this.element.querySelectorAll('*'));
    angularElement.prepareTransclusion();

    throw new Error('loading directive templates asynchronously is not supported');
    if (directive.compile && !directive.replace) notSupported(name, 'compile');
    if (directive.terminal) notSupported(name, 'terminal');
  }

  prepareTransclusion(): ILinkFn{undefined
    const transclude = this.directive.transclude;
    const contentChildNodes = this.exactChildNodes();
    const attachChildrenFn: ILinkFn = (scope, cloneAttachFn) => {
      // Since AngularJS v1.5.8, `cloneAttachFn` will try
to destroy the transclusion scope if \n // `$template` is empty. Since the transcluded content comes from Angular, not AngularJS, \n // there will be no transclusion scope here. \n // Provide a dummy `scope.$destroy()` method to prevent `cloneAttachFn` from throwing. \n scope = scope || []; \n if (transclude) \n \n const slots = Object.create(null); \n if (typeof transclude === 'object') \n scope = scope || {$destroy: () => undefined}; \n return cloneAttachFn !($template, scope); \n \n let $template = contentChildNodes; \n if (transclude) \n \n const $slots = Object.create(null); \n const filledSlots = Object.create(null); \n \n // Parse the element selectors. \n Object.keys(transclude).forEach(slotName => { \n $template[transclude[slotName]] = []; \n scope.$destroy = () => undefined; \n }); \n
let $template = contentChildNodes; \n
if (transclude) { \n
  const slotMap = Object.create(null); \n
  // Parse the element selectors. \n  Object.keys(transclude).forEach(slotName => { \n    const selector = transclude[slotName]; \n    const optional = selector.charAt(0) === '?'; \n    selector = optional ? selector.substring(1) : selector; \n    slotMap[selector] = slotName; \n  }); \n
  // Add the matching elements into their slot. \n  contentChildNodes.forEach(node => { \n    const slotName = slotMap[directiveNormalize(node.nodeName.toLowerCase())]; \n    if (slotName) { \n      filledSlots[slotName] = true; \n    } else { \n      $template.push(node); \n    } \n  }); \n
  // Check for required slots that were not filled. \n  Object.keys(filledSlots).forEach(slotName => { \n    if (!filledSlots[slotName]) { \n      throw new Error(`Required transclusion slot '${slotName}' on directive: ${this.name}`); \n    } \n  }); \n
  // Add `$$slots` to default slot transclude fn. \n  attachChildrenFn.$$slots = slots; \n
  // AngularJS v1.6+ ignores empty or whitespace-only transcluded text nodes. But AngularJS v1.6+ \n  // recognizes text content that starts with an interpolation as transcluded content and use the fallback \n  // content instead. \n  // To avoid this issue, we add \n  // `[zero-width non-joiner character](https://en.wikipedia.org/wiki/Zero-width_non-joiner)` to empty \n  // text nodes (which can only be a result of Angular removing their initial content). \n  $template.forEach(node => { \n    if (node.nodeType === Node.TEXT_NODE && !node.nodeValue) { \n      node.nodeValue = '\u200C'; \n    } \n  }); \n
  return attachChildrenFn; \n} \n
resolveAndBindRequiredControllers(controllerInstance: IControllerInstance|null) { \n
  const directiveRequire = this.getDirectiveRequire(); \n  const requiredControllers = this.resolveRequire(directiveRequire); \n
  if (controllerInstance && this.directive.bindToController && isMap(directiveRequire)) { \n    const requiredControllersMap = requiredControllers as {[key: string]: IControllerInstance}; \n
    Object.keys(requiredControllersMap).forEach(key => { \n      controllerInstance[key] = requiredControllersMap[key]; \n    }); \n
    return controllerInstance; \n  } \n
  return requiredControllers; \n} \n
private compileHtml(html: string): ILinkFn { \n
  this.element.innerHTML = html; \n  return this.$compile(this.element.childNodes); \n} \n
private extractChildNodes(): Node[] { \n
  const childNodes: Node[] = []; \n  let childNode: Node|null; \n
  while (childNode = this.element.firstChild) { \n    this.element.removeChild(childNode); \n    childNodes.push(childNode); \n  } \n
  return childNodes; \n} \n
private getDirectiveRequire(): DirectiveRequireProperty { \n
  const require = this.directive.require || (this.directive.controller && \n  this.directive.name) !; \n
  if (isMap(require)) { \n    Object.keys(require).forEach(key => { \n      const value = require[key]; \n      const match = value.match(REQUIRE_PREFIX_RE); \n      const name = value.substring(match[0].length); \n      if (name) { \n        require[key] = match[0] + key; \n      } \n    }); \n
    return require; \n  } \n
  const resolveRequire = require:DirectiveRequireProperty, controllerInstance?: \n  SingleOrListOrMap<IControllerInstance>!null { \n    if (!require) { \n      return null; \n    } else if (Array.isArray(require)) { \n      return require.map(req => this.resolveRequire(req)); \n    } else if (typeof require === 'object') { \n      const value: {[key: string]: IControllerInstance} = {}; \n      Object.keys(require).forEach(key => { \n        value[key] = this.resolveRequire(require[key]); \n      }); \n
      return value; \n    } else if (typeof require === 'string') { \n      const inheritType = match[1] || match[3]; \n      return inheritType; \n    } \n  } \n
  return resolveRequire; \n} \n
const name = require.substring(match[0].length);
const isOptional = !(match[2]);

const searchParents = !inheritType;
const startOnParent = inheritType === ^^;
const ctrlKey = controllerKey(name);

elem = startOnParent ? this.$element.parent() : this.$element;

const inheritedData = (!ctrlKey) ? elem.data(ctrlKey) : elem.inheritedData(ctrlKey);

if (isOptional) {
  throw new Error(`Unable to find required '${require}' in upgraded directive '${this.name}'.`);
}

return inheritedData[require] || this.$$map[name || require] || elem.data[require];

else {
  throw new Error(`Unrecognized 'require' syntax on upgraded directive '${this.name}': ${require}`);
}

}

function getOrCall<T>(property: T | Function, ...args: any[]): T {
  return isFunction(property) ? property(...args) : property;
}

// NOTE: Only works for 'typeof T !== 'object''.
function isMap<T>(value: SingleOrListOrMap<T>): value is {
  [key: string]: T;
}

function notSupported(name: string, feature: string) {
  throw new Error(`Upgraded directive '${name}' contains unsupported feature: '${feature}'.`);
}

/**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 * 
 * Use of this source code is governed by an MIT-style license that
 * can be found in the LICENSE file at https://angular.io/license
 */

import { DoCheck, ElementRef, EventEmitter, Injector, OnChanges, OnDestroy, OnInit, SimpleChanges, looseIdentical } from '@angular/core';

import { IAttributes, IAugmentedJQuery, IDirective, IDirectivePrePost, IInjectorService, ILinkFn, IScope, ITranscludeFunction } from '../../src/common/src/angular1';
import {$SCOPE} from '../../src/common/src/constants';
import {IBindingDestination, IControllerInstance, UpgradeHelper} from '../../src/common/src/upgrade_helper';
import {isFunction} from '../../src/common/src/util';

const NOT_SUPPORTED: any = 'NOT_SUPPORTED';
const INITIAL_VALUE = {
  __UNINITIALIZED__: true
};

class Bindings {
  twoWayBoundProperties: string[] = [];
  twoWayBoundLastValues: any[] = [];

  expressionBoundProperties: string[] = [];

  propertyToOutputMap: {
    [propName: string]: string
  } = {};
}

/**
 * @description
 *
 * A helper class that allows an AngularJS component to be used from
 * Angular templates.
 *
 * *Part of the 
 * [upgrade/static](api?query=upgrade%2Fstatic)
 * library for hybrid upgrade apps that
 * support AOT compilation.*
 *
 * This class should be used as a base class for creating Angular directives
 * that wrap AngularJS components that need to be "upgraded".
 *
 * *Note that we must do the following:
 * * specify the directive's selector (`ng1Hero`)
 * * specify all inputs and
 * * derive from `UpgradeComponent`
 * * call the base class from
 *   * the AngularJS name of the component (`ng1Hero`)
 *   * the `ElementRef`
 *   * the `Injector`
 *   * the `Directive` decorator.
 * * We must derive from the `UpgradeComponent` base class but also provide an
 *   * `@link Directive` decorator.
 * * Let's assume that you have an AngularJS component called `ng1Hero` that needs
 *   * to be made available in
 *   * Angular templates.
 *   * We must create
 *   * a `Directive` that will make this AngularJS component
 *   * available inside Angular templates.
 *   * In this example you can see that we must
 *   * derive from the `UpgradeComponent` base class but also provide an
 *   * `@link Directive` decorator.
 * * Note that we must do the following:
 *   * `@link Directive`
 *   * `@Directive` decorator.
 */
export class UpgradeComponent implements OnInit, OnChanges, DoCheck, OnDestroy {
  private helper: UpgradeHelper;

  private $injector: IInjectorService;

  private element: Element;
  private $element: IAugmentedJQuery;
  private $componentScope: IScope;

  private directive: IDirective;
  private bindings: Bindings;
  private controllerInstance !: IControllerInstance;
  private bindingDestination !: IBindingDestination;
  private pendingChanges !: SimpleChanges | null;
  private unregisterDoCheckWatcher !: Function;

  constructor(private
name: string, private elementRef: ElementRef, private injector: Injector) {
    this.helper = new
    UpgradeHelper(injector, name, elementRef);
    this.$injector = this.helper.$injector;
    this.element = this.helper.element;
    this.$element = this.helper.$element;
    this.directive = this.helper.directive;
    this.bindings = this.initializeBindings(this.directive);
    // We ask for the AngularJS scope from the Angular
    // injector, since
    if (true) we will put the new component scope onto
    the new injector for each component
    const $parentScope = injector.$parentScope;
    // QUESTION 1: Should we create an isolated scope if the scope is
    // only true?
    // QUESTION 2: Should we make the scope accessible through
    // $element.scope/isolateScope()?
    this.$componentScope = $parentScope.$new(!!this.directive.scope);
    this.initializeOutputs();
    this.ngOnInit();
    const controllerType = this.directive.controller;
    const bindToController = this.directive.bindToController;
    if (controllerType) {
      this.controllerInstance = this.helper.buildController(controllerType,
        this.$componentScope);
    } else if (bindToController) {
      throw new Error(
        `Upgraded directive
        '?${this.directive.name}' specifies 'bindToController' but no controller.`);
    }
    // Hook:
    $onInit(this.controllerInstance, this.$componentScope, this.directiveController)
    // Set up outputs
    this.bindOutputs();
    // Get the parent scope
    if (this.controllerInstance && isFunction(this.controllerInstance.$onInit)) {
      this.controllerInstance.$onInit();
    }
    // Hook:
    $doCheck(this.controllerInstance, this.$componentScope, this.directiveController);
    // Linking
    preLink(this.$componentScope, this.directiveController, this.directiveController, this.directiveController);
    // Linking
    const twoWayBoundProperties = this.bindings.towayBoundProperties;
    const twoWayBoundLastValues = this.bindings.towayBoundLastValues;
    const propertyToOutputMap = this.bindings.propertyToOutputMap;
    twoWayBoundProperties.forEach((propName, idx) => {
      const newValue = this.bindingDestination[propName];
      const oldValue = twoWayBoundLastValues[idx];
      if (looseIdentical(newValue, oldValue)) {
        const outputName = propertyToOutputMap[propName];
        const eventEmitter: EventEmitter<any> = (this as any)[outputName];
        eventEmitter.emit(newValue);
        twoWayBoundLastValues[idx] = newValue;
      }
    });
    // Question: What about '=='? Ignore? Support?
    if (!this.bindingDestination) {
      this.pendingChanges = changes;
    } else {
      this.forwardChanges(changes);
    }
    // Hook:
    $destroy(this.componentScope, this.directiveController, this.directiveController);
    this.unregisterDoCheckWatcher = this.componentScope.unregisterDoCheckWatcher(this.directiveController);
    const callDoCheck = () => this.controllerInstance.$doCheck();
    this.unregisterDoCheckWatcher = this.componentScope.unregisterDoCheckWatcher(this.directiveController);
    const linkFn = this.componentScope.createComponentScope();
    this.componentScope.createComponentScope(true);
    this.componentScope.createComponentScope(true);
    this.componentScope.createComponentScope(true);
    // Hook:
    $postLink(this.controllerInstance, this.$componentScope, this.directiveController);
    if (isFunction(this.controllerInstance.$onChanges)) {
      this.controllerInstance.$onChanges();
    }
    // Hook:
    $postLink(this.controllerInstance, this.$componentScope, this.directiveController);
    this.unregisterDoCheckWatcher = this.componentScope.unregisterDoCheckWatcher(this.directiveController);
```typescript
// `ngOnChanges()`.
break; case '=':
  bindings.twoWayBoundProperties.push(propName);
  bindings.twoWayBoundLastValues.push(INITIAL_VALUE);
  bindings.propertyToOutputMap[propName] = propName;
  default:
    let json = JSON.stringify(context);
    throw new Error(`Unexpected mapping '${bindingType}' in '${json}' in '${this.name}' directive.`);
  }
}

return bindings;
}

private initializeOutputs(): void {
  // Initialize the outputs for `=` and `&` bindings
  this.bindings.twoWayBoundProperties.concat(this.bindings.expressionBoundProperties)
    .forEach(propName => {
      const outputName = this.bindings.propertyToOutputMap[propName];
      (this as any)[outputName] = new EventEmitter();
    });
}

private bindOutputs(): void {
  // Bind `&` bindings to the corresponding outputs
  this.bindings.expressionBoundProperties.forEach(propName => {
    const outputName = this.bindings.propertyToOutputMap[propName];
    const emitter = (this as any)[outputName];

    this.bindingDestination[propName] = (value: any) => emitter.emit(value);
  });
}

private forwardChanges(changes: SimpleChanges): void {
  // Forward input changes to `bindingDestination`
  Object.keys(changes).forEach(propName => this.bindingDestination[propName] =
    changes[propName].currentValue);

  if (isFunction(this.bindingDestination.$onChanges)) {
    this.bindingDestination.$onChanges(changes);
  }
}
```
components always execute inside the Angular framework codebase regardless of

* where they are instantiated. An AngularJS component can be "upgraded" to an Angular component. This is achieved by defining an Angular directive, which bootsrap the AngularJS component at its location in the DOM. See UpgradeComponent. An Angular component can be "downgraded" to an AngularJS component. This is achieved by defining an AngularJS directive, which bootsrap the Angular component at its location in the DOM. See downgradeComponent.

### The UpgradeModule class

This class is an NgModule, which you import to provide AngularJS core services, and has an instance method used to bootstrap the hybrid upgrade application.

* Core AngularJS services
  * Importing this NgModule will add providers for the core AngularJS services

* Bootstrap
  * The runtime instance of this class contains a method, which you use to bootstrap the top level AngularJS module onto an element in the DOM for the hybrid upgrade application.
  * It also contains properties to access the root injector, the bootstrap `NgZone` and the `@AngularJS $injector`.

### Examples

** Import the `UpgradeModule` into your top level `NgModule`.

```ts
@NgModule({
  providers: angular1Providers
})
export class UpgradeModule {
  /**
   * The AngularJS $injector for the upgrade application.
   */
  $injector: any /*angular.IInjectorService*/;
  /**
   * The Angular Injector */
  injector: Injector;

  constructor(
      /** The root `Injector` for the upgrade application. */
      injector: Injector,
      /** The bootstrap zone for the upgrade application */
      public ngZone: NgZone) {
    this.injector = new NgAdapterInjector(injector);
  }

  /**
   * Bootstrap an AngularJS application from this NgModule
   * @param element the element on which to bootstrap the AngularJS application
   * @param [modules] the AngularJS modules to bootstrap for this application
   * @param [config] optional extra AngularJS bootstrap configuration
   * @param [bootstrap] the element: Element, modules: string[] = [],
   * config?: any /*angular.IAngularBootstrapConfig*/) { ...
```

** Upgrading an AngularJS service

There is no specific API for upgrading an AngularJS service. Instead you should just follow the following recipe:

```ts
let's say you have an AngularJS service:

```
LazyModuleRef]));\n
            .config([\n              $PROVIDE, $INJECTOR, \n              ($provide: IProvideService, \n              $injector: IInjectorService) => {\n                if ($injector.has($$TESTABILITY)) {\n                  $provide.decorator($$TESTABILITY, [\n                    $DELEGATE, \n                    (testabilityDelegate: ITestabilityService) => {\n                      // Cannot use arrow function below because we need the context\n                      const newWhenStable = function(callback: Function) {\n                        originalWhenStable.call(testabilityDelegate, function() {\n                          const ng2Testability: Testability = $injector.get(Testability);
                          if (ng2Testability.isStable()) {\n                            callback();
                          } else {
                            ng2Testability.whenStable().\n                              bind(testabilityDelegate, callback)();\n                          }
                        });\n                      }\n                      \n                      testabilityDelegate.whenStable = newWhenStable;
                      return testabilityDelegate;\n                    }\n                  ]);\n                }\n
                if ($injector.has($INTERVAL)) {\n                  $provide.decorator($INTERVAL, [\n                    $DELEGATE, \n                    (intervalDelegate: IIntervalService) => {\n                      let wrappedInterval =\n                          (fn: Function, delay: number, \n                          count?: number, invokeApply?: boolean, \n                          ...pass: any[]) => {\n                        this.ngZone.runOutsideAngular(() => {
                          return intervalDelegate((...args: any[]) => {
                            setTimeout(() => { this.ngZone.run(() => fn(...args)); });\n                          }, delay, count, invokeApply, ...pass);
                        });\n                      }\n                      \n                      (wrappedInterval as any)['cancel'] = intervalDelegate.cancel;
                      return wrappedInterval;\n                    }\n                  ]);\n                }\n              }\n            ]);\n
            .run([\n              $INJECTOR, \n              ($injector: IInjectorService) => {\n                this.$injector = $injector;

                // Initialize the ng1 $injector provider
                setTempInjectorRef($injector);
                this.injector.get($INJECTOR);

                // Put the injector on the DOM, so that it can be "required"
                angularElement(element).data(!controllerKey(INJECTOR_KEY), this.injector);

                // Wire up the ng1 rootScope to run a digest cycle whenever the zone settles
                // We need to do this in the next tick so that we don't prevent the bootstrap\n                // stabilizing
                setTimeout(() => {\n                  const $rootScope = $injector.get('$rootScope');
                  const subscription = this.ngZone.onMicrotaskEmpty.subscribe(() => {
                    if ($rootScope.$$phase) {
                      if (isDevMode()) {
                        console.warn('A digest was triggered while one was already in progress. This may mean that something is triggering digests outside the Angular zone.');\n                      } \n                      return $rootScope.$evalAsync();
                    } \n                    return $rootScope.$digest();\n                  });\n                  $rootScope.$on('$destroy', () => { subscription.unsubscribe(); });\n                }, 0);
                \n                return $rootScopeScope.$evalAsync();\n                return $rootScope.$evalAsync();\n              }\n            ]);\n
            \n          }\n        ]);\n      }\n    }\n  }\n}

export {getAngularJSGlobal, getAngularLib, setAngularJSGlobal, setAngularLib} from
'../src/common/src/angular1';
export {downgradeComponent} from
'./src/common/src/upgrade';
Open Source Used In MSX SD-WAN Service Pack 3.9.0

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Open Source Used In MSX SD-WAN Service Pack 3.9.0

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9.0.7-src-zip/bundles/upgrade-static.umd.js.map

No license file was found, but licenses were detected in source scan.

/*"version":3,"file":"upgrade-static-testing.umd.js","sources":[] */
boolean;\n\nexport interface ITestabilityService {\n  findBindings(element: Element | Element[]): Promise\<Element[\]>;\n  findModels(element: Element | Element[]): Promise\<Element[\]>;\n  getLocation(): string;\n  setLocation(url: string): void;\n  whenStable(callback: Function): Promise\<void>;
}\n
export interface INgModelController {\n  $render(): void;\n  $isEmpty(value: any): boolean;\n  $setValidity(validationErrorKey: string, isValid: boolean): void;\n  $setUntouched(): void;\n  $setTouched(): void;\n  $rollbackViewValue(): void;\n  $validate(): void;\n  $commitViewValue(): void;\n  $modelValue: any;\n  $parsers: Function[\];\n  $formatters: Function[\];\n  $validators: {
    [key: string]: Function,
  };\n  $asyncValidators: {
    [key: string]: Function,
  };\n  $viewChangeListeners: Function[\];\n  $error: Object;\n  $pending: Object;\n  $untouched: boolean;\n  $touched: boolean;\n  $pristine: boolean;\n  $dirty: boolean;\n  $valid: boolean;\n  $invalid: boolean;\n  $name: string;
}\n
function noNg(): never {
  throw new Error('AngularJS v1.x is not loaded!');
}\n
const noNgElement: typeof angular.element = (() => noNg()) as any;
noNgElement.cleanData = noNg;

let angular: {
  bootstrap: (e: Element | Document | IAugmentedJQuery): IInjectorService;
  module: (prefix: string, dependencies?: string[]): IModule;
  element: {
    (e: string | Element | Document | IAugmentedJQuery): IAugmentedJQuery;
    cleanData: (nodes: Node[\] | NodeList) => void;
  },
  injector: (modules: Array<string | IInjectable>, strictDi?: boolean) => IInjectorService;
  version: {major: number},
  resumeBootstrap: () => void,
  getTestability: (element: Element) => ITestabilityService;
} = {
  bootstrap: noNg,
  module: noNg,
  element: noNgElement,
  injector: noNg,
  version: undefined as any,
  resumeBootstrap: noNg,
  getTestability: noNg
};

try {
  if (window.hasOwnProperty('angular')) {
    angular = (<any>window).angular;
  }
} catch {
  // ignore in CJS mode.
}\n
/**
 * @deprecated Use `setAngularJSGlobal` instead.
 * @publicApi
 */
export function setAngularLib(ng: any): void {
  setAngularJSGlobal(ng);
}\n
/**
 * Returns the current AngularJS global.
 * @publicApi
 */
export function getAngularLib(): any {
  return getAngularJSGlobal();
}\n
/**
 * Resets the AngularJS global.
 * Used when AngularJS is loaded lazily, and not available on `window`.
 * @publicApi
 */
export function setAngularJSGlobal(ng: any): void {
  angular = ng;
}\n
/**
 * @license
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 */

export const $COMPILE = '$compile';
export const $CONTROLLER = '$controller';
export const $DELEGATE = '$delegate';
export const $EXCEPTION_HANDLER = '$exceptionHandler';
export const $HTTP_BACKEND = '$httpBackend';
export const $INJECTOR = '$injector';
export const $INTERVAL = '$interval';
export const $PARSE = '$parse';
export const $PROVIDE = '$provide';
export const $ROOT_SCOPE = '$rootScope';
export const $SCOPE = '$scope';
export const $TEMPLATE_CACHE = '$templateCache';
export const $TEMPLATE_REQUEST = '$templateRequest';
export const $TESTABILITY = '$testability';
export const COMPILER_KEY = '$$angularCompiler';
export const DOWNGRADED_MODULE_COUNT_KEY = '$$angularDowngradedModuleCount';
export const LAZY_MODULE_REF = '$$angularLazyModuleRef';
export const NG_ZONE_KEY = '$$angularNgZone';
module in the unit test injector.

* In the following code snippet, we are configuring the `injector` with two
modules:

* The AngularJS `ng1AppModule`, which is the AngularJS part of our hybrid application and the
  * `Ng2AppModule`, which is the Angular part.

* Once this is done we can get hold of services via the AngularJS `injector` as normal.

* Services that are (or have dependencies on) a downgraded Angular service,
will be instantiated as

* Only call this helper once per spec.

* Do not use `createAngularJSTestingModule` in the same spec as
`createAngularTestingModule`.

* Here is the example application and its unit tests that use
`createAngularTestingModule` and `createAngularJSTestingModule`.

* The helper sets up global variables to hold the shared Angular and AngularJS injectors.

* Do not use `createAngularJSTestingModule` in the same spec as
`createAngularTestingModule`.

* The resulting configuration does not wire up AngularJS digests to Zone hooks. It is the
  * responsibility of the test writer to call `SرومScope.Sapply`, as necessary, to
  * trigger AngularJS handlers of async events from Angular.

* This helper is for testing services not components.

* Do not use `createAngularJUnitestingModule` in the same spec as
`createAngularTestingModule`.

* Only call this helper once per spec.

* Do not use `createAngularJSTestingModule` in the same spec as
`createAngularJUnitestingModule`.

* Here is the example application and its unit tests that use
`createAngularJUnitestingModule` and `createAngularJSTestingModule`.

* The helper sets up global variables to hold the shared Angular and AngularJS injectors.

* Do not use `createAngularJSTestingModule` in the same spec as
`createAngularJUnitestingModule`.

* The helper sets up global variables to hold the shared Angular and AngularJS injectors.

* Do not use `createAngularJUnitestingModule` in the same spec as
`createAngularJUnitestingModule`.

* This helper is for testing services not components.

* Do not use `createAngularJUnitestingModule` in the same spec as
`createAngularJUnitestingModule`.

* Only call this helper once per spec.

* Do not use `createAngularJUnitestingModule` in the same spec as
`createAngularJUnitestingModule`.

* The helper sets up global variables to hold the shared Angular and AngularJS injectors.

* Do not use `createAngularJUnitestingModule` in the same spec as
`createAngularJUnitestingModule`.

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* Only call this helper once per spec.

* Do not use `createAngularJUnitestingModule` in the same spec as
`createAngularJUnitestingModule`.

* The helper sets up global variables to hold the shared Angular and AngularJS injectors.
AAM,iBAAiB,GAAG,kBAAkB,CAAC;AEpD,IAAO,IAAM,aAAa,GAAG,eAAe,CAAC;AE7C,IAAO,IAAM,Y
AAY,GAAG,mbBAAmB,CAAC;AChD,IAAO,IAAM,2BAA2B,GAAG,gCAAgC,CAAC;AC5E,IAAO,IAAM,2
BAA2B,GAAG,gCAAgC,CAAC;AC5E,QAaA,YAAY,GAAG,mbBAAmB,CAAC;AC5E,QAaA,YAAY,GAAG,

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{"version":3,"file":"static.js","sources":
"../../../../../../packages/upgrade/src/common/src/angular1.ts","../../../../../../packag
es/upgrade/src/common/src/constants.ts","../../../../packages/upgrade/src/common/sr
component_adapter.ts","../../../../packages/upgrade/src/common/src/promise_util.ts","..

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 * found in the LICENSE file at https://angular.io/license
 */

export type Ng1Token = string;

export type Ng1Expression = string | Function;

export interface IAnnotatedFunction extends Function {
  // Older versions of `@types/angular`
  // typings extend the global `Function` interface within
  // `$inject?: any[]`, which is not compatible with `$inject?:
  // ReadonlyArray<string>` (used in
  // latest versions).
  $inject?: Function extends{ $inject?: string[]}? Ng1Token[]: ReadonlyArray<Ng1Token>;
}

export type IInjectable = (Ng1Token | Function)[] | IAnnotatedFunction;

export type SingleOrListOrMap<T> = T | T[] | {[key: string]: T};

export interface IModule {
  name: string;
  requires: (string|IInjectable)[];
  config(fn: IInjectable): IModule;
  directive(selector: string, factory: Injectable[]): IModule;
  controller(name: string, factory: Injectable[]): IModule;
  value(key: Ng1Token, value: any): IModule;
  constant(token: Ng1Token, value: any): IModule;
  run(a: IInjectable): IModule;
}

export interface ICompileService {
  (element: Element|NodeList|Node[]|string, transclude?: Function): ILinkFn;
}

export interface ILinkFn {
  (scope: IScope, cloneAttachFn?: ICloneAttachFunction, options?: ILinkFnOptions): IAugmentedJQuery;
  $$slots?: {[slotName: string]: ILinkFn};
}

export interface ILinkFnOptions {
  parentBoundTranscludeFn?: Function;
  futureParentElement?: Node;
}

export interface IRootScopeService {
  $new(isolate?: boolean): IScope;
  $id: string;
  $parent: IScope;
  $root: IScope;
  $watch(exp: Ng1Expression, fn?: (a1?: any, a2?: any) => void): Function;
  $on(event: string, fn?: (event?: any, ...args: any[]) => void): Function;
  $destroy(): any;
  $apply(exp?: Ng1Expression): any;
  $digest(): any;
  $evalAsync(exp: Ng1Expression, locals?: any): void;
  $$childTail: IScope;
  $$childHead: IScope;
  $$nextSibling: IScope;
  [key: string]: any;
}

export interface IScope extends IRootScopeService {}

export interface IAngularBootstrapConfig { strictDi?: boolean; }

export interface IDirective {
  compile?: IDirectiveCompileFn;
  controller?: IController;
  controllerAs?: string;
  bindToController?: boolean| {[key: string]: string};
  link?: IDirectiveLinkFn| IDirectivePrePost;
  name?: string;
  priority?: number;
  replace?: boolean;
  require?: DirectiveRequireProperty;
  restrict?: string;
  scope?: boolean| {[key: string]: string};
  template?: string|Function;
  templateUrl?: string|Function;
  transclude?: DirectiveTranscludeProperty;
  templateNamespace?: string;
  terminal?: boolean;
  transclude?: DirectiveTranscludeProperty;
}

export type DirectiveRequireProperty = SingleOrListOrMap<string>;
export type DirectiveTranscludeProperty = boolean | 'element' | {[key: string]: string};

export interface IDirectiveCompileFn {
}

export interface IDirectivePrePost {
  compile?: IDirectiveCompileFn| IDirectivePrePost;
}

export interface IAugmentedJQuery = Node[] & {
  on?: (name: string, fn: () => void) => void;
  data?: (name: string, value?: any) => any;
  text?: () => string;
  inheritedData?: (name: string, value?: any) => void;
}
function getUpgradeAppType($injector: IInjectorService): UpgradeAppType {
  return $injector.has(UPGRADE_APP_TYPE_KEY) ? $injector.get(UPGRADE_APP_TYPE_KEY) :
  UpgradeAppType.None;
}

export function validateInjectionKey(
    $injector: IInjectorService, 
    module: string, 
    injectionKey: string,
    attemptedAction: string): void {
  if ($injector.has(module)) {
    throw new Error(`
      ${attemptedAction}:
        already specified.
    `);
  }
}

export function isFunction(value: any): value is Function {
  return typeof value === 'function';
}

export function validateInjectionKey(
    $injector: IInjectorService, 
    module: string, 
    injectionKey: string,
    attemptedAction: string): void {
  if ($injector.has(module)) {
    throw new Error(`
      ${attemptedAction}:
        already specified.
    `);
  }
}

export function validateInjectionKey(
    $injector: IInjectorService, 
    module: string, 
    injectionKey: string,
    attemptedAction: string): void {
  if ($injector.has(module)) {
    throw new Error(`
      ${attemptedAction}:
        already specified.
    `);
  }
}

// Check for common errors.
switch (upgradeAppType) {
  case UpgradeAppType.Dynamic:
    if (downgradedModule) {
      throw new Error(`
        ${attemptedAction}:
          unexpected.
      `);
    }
    break;
  case UpgradeAppType.Lite:
    if (downgradedModule &&
        (downgradedModuleCount >= 2)) {
      throw new Error(`
        ${attemptedAction}:
          not specified.
      `);
    }
    if (!$injector.has(injectionKey)) {
      throw new Error(`
        ${attemptedAction}:
          not found.
      `);
    }
    break;
  default:
    throw new Error(`
      ${attemptedAction}:
        not a valid application.
    `);
}

// App NOT using '@angular/upgrade' application.
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

// App using deprecated '@angular/upgrade' APIs (a.k.a. dynamic
'tngUpgrade').
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

// App using '@angular/upgrade/static' with 'UpgradeModule'.
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

// App using '@angular/upgrade/static' with 'downgradeModule'.
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

const enum UpgradeAppType {
  None,
  Dynamic,
  Static,
  Lite,
}

/**
 * @return
 * Whether the passed-in component implements the subset of the
 *   ControlValueAccessor interface needed for
 *   AngularJS `ng-model` compatibility.
 */
function supportsNgModel(component: any) {
  return typeof component.writeValue === 'function' &&
      typeof component.registerOnChange === 'function';
}

/**
 * Test two values for
 * strict equality, accounting for the fact that `NaN !== NaN`.
 */
export function strictEquals(val1: any, val2: any): boolean {
  return val1 === val2 || (val1 !== val1 && val2 !== val2);
}

// App NOT using '@angular/upgrade'.
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

// App using deprecated '@angular/upgrade' APIs (a.k.a. dynamic
'ngUpgrade').
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

// App using '@angular/upgrade/static' with 'UpgradeModule'.
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);

// App using '@angular/upgrade/static' with 'downgradeModule'.
throw new Error(`
  ${attemptedAction}:
    unable to find the specified module.
`);
We refer to this document as the Open Source Used In MSX SD-WAN Service Pack 3.9.0. The code snippet contains various TypeScript class definitions and methods, including:

- `ComponentRef` and `ComponentRegistrar` for component management,
- `NgModelController` and `ChangeDetectorRef` for model binding and change detection,
- `Injector` and `InjectorService` for dependency injection.

The methods and variables include:

- `constructor`, which initializes the `PrivateComponent` with necessary dependencies.
- `compileContents` that compiles and links projectable nodes.
- `addComponent` that creates and setup inputs.

The code snippet also includes a `TODO` for removing certain annotations and comments to improve code readability and maintainability.
if (propagateDigest) {
  this.componentScope.$watch(this.wrapCallback(detectChanges));
}

// If necessary, attach the view so that it will be dirty-checked.
// (Allow time for the initial input values to be set and 'ngOnChanges()' to be called.)
if (manuallyAttachView) {
  let unwatch: Function|null = this.componentScope.$watch(() => {
    this.unsubscribeToOutput(output, attrs[bindonAttr], true);
  });
}

// If necessary, attach the view so that it will be dirty-checked.
// (Allow time for the initial input values to be set and `ngOnChanges()` to be called.)
if (!propagateDigest) {
  detectChanges();
}

// If not opted out of propagating digests, invoke change detection on every digest
if (propagateDigest) {
  this.componentScope.$watch((this.wrapCallback(detectChanges)));
}

// If opted out of propagating digests, invoke change detection
// when inputs change.
if (!propagateDigest) {
  detectChanges();
}

// If necessary, attach the view so that it will be dirty-checked.
// (Allow time for the initial input values to be set and 'ngOnChanges()' to be called.)
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if (manuallyAttachView) {
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    this.unsubscribeToOutput(output, attrs[bindonAttr], true);
  });
}

// If opted out of propagating digests, invoke change detection
// when inputs change.
if (!propagateDigest) {
  detectChanges();
}

// If necessary, attach the view so that it will be dirty-checked.
// (Allow time for the initial input values to be set and `ngOnChanges()` to be called.)
if (manuallyAttachView) {
  let unwatch: Function|null = this.componentScope.$watch(() => {
    this.unsubscribeToOutput(output, attrs[bindonAttr], true);
  });
}
string): boolean {
  if (!_matches) {
    const elProto = <any>Element.prototype;
    _matches = elProto.matches ||
        elProto.mozMatchesSelector ||
        elProto.msMatchesSelector ||
        elProto.webkitMatchesSelector;
  }
  return el.nodeType ===
      Node.ELEMENT_NODE ? _matches.call(el, selector) : false;
}

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 * found in the LICENSE file at https://angular.io/license
 */

import {isFunction} from './util';

export interface Thenable<T> { then(callback: (value: T) => any): any; }

export function isThenable<T>(obj: unknown): obj is Thenable<T> {
  return !!obj && isFunction((obj as any).then);
}

/**
 * Synchronous, promise-like object.
 */
export class SyncPromise<T> {
  protected value: T|undefined;
  private resolved = false;
  private callbacks: ((value: T) => unknown)[] = [];

  static all<T>(valuesOrPromises: (T|Thenable<T>)[]): SyncPromise<T[]> {
    const aggrPromise = new SyncPromise<T[]>();

    let resolvedCount = 0;
    const results: T[] = [];
    const resolve = (idx: number, value: T) => {
      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };

    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });

    return aggrPromise;
  }

  resolve(value: T): void {
    // Do nothing, if already resolved.
    if (this.resolved)
      return;

    this.value = value;
    this.resolved = true;
    // Run the queued callbacks.
    this.callbacks.forEach(callback => callback(value));
    this.callbacks.length = 0;
  }

  then(callback: (value: T) => unknown): void {
    if (this.resolved) {
      callback(this.value);
    } else {
      this.callbacks.push(callback);
      // angular:unimport
    }
  }
}

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 * found in the LICENSE file at
 * https://angular.io/license
 */

import {ComponentFactory, ComponentFactoryResolver, Injector, NgZone, Type} from '@angular/core';

import {IAnnotatedFunction, IAttributes, IAugmentedJQuery, ICompileService, IDirective, InjectorService, INgModelController, IParseService, IScope} from './angular1';
import {$COMPILE, $INJECTOR, $PARSE, INJECTOR_KEY, LAZY_MODULE_REF, REQUIRE_INJECTOR, REQUIRE_NG_MODEL} from './constants';
import {DowngradeComponentAdapter} from './downgrade_component_adapter';
import {SyncPromise, Thenable} from './promise_util';
import {LazyModuleRef, UpgradeAppType, controllerKey, getDowngradedModuleCount, getTypeName, getUpgradeAppType, validateInjectionKey} from './util';

/**
 * @description
 *
 * A helper function that allows an Angular component to be used from AngularJS.
 *
 * *Part of the
 * [upgrade/static](api?query=upgrade%2Fstatic)
 * library for hybrid upgrade apps that support AOT compilation*
 * This helper function returns a factory function to be used for registering an AngularJS wrapper
directive for a component. This helper function returns a factory function to be used for registering
an AngularJS wrapper directive for a component. An Angular component
* @usageNotes
* For more details and examples on downgrading Angular components to AngularJS components please
 * visit the [Upgrade
 * guide](guide#using-angular-components-from-angularjs-code).
 */

@directive({
  name: 'ngDowngradedComponent',
  priority: 100
})

export function downgradeComponent(info: {component: Type<any>,
  downgradeModule?: string, propagateDigest?: boolean}) { return downgradeComponent(info.component, info.downgradeModule, info.propagateDigest); }
will still be performed when any of the component's inputs changes.

> (Default: true)\n
*\n
@returns a factory function that can be used to register the component in an\n
`AngularJS module`.\n
**\n
@publicApi

*/

export function downgradeComponent(info: {
  component: Type<any>; downgradedModule?: string; propagateDigest?: boolean;\n
/** @deprecated since v4. This parameter is no longer used */
  inputs?: string[];\n
/** @deprecated since v4. This parameter is no longer used */
  outputs?: string[];\n
/** @deprecated since v4. This parameter is no longer used */
  selectors?: string[];\n}): any /* angular.IInjectable */ {
  const directiveFactory:

    // When using `downgradeModule()`, we need to handle certain things specially. For example:\n    // - We always need to attach the component view to the `ApplicationRef` for it to be\n    //   dirty-checked.\n    // - We need to ensure callbacks to Angular APIs (e.g. change detection) are run inside the\n    //   Angular zone.\n    // NOTE: This is not needed, when using `UpgradeModule`, because `$digest()` will be run\n    //   inside the Angular zone (except if explicitly escaped, in which case we shouldn't\n    //   force it back\n    \n    const isNgUpgradeLite = getUpgradeAppType($injector) === UpgradeAppType.Lite;\n    \n    const wrapCallback: <T>(cb: () => T) => typeof cb =
        !isNgUpgradeLite ? cb => cb : cb => () =>\n        NgZone.isInAngularZone() ? cb() : ngZone.run(cb);
    \n    let ngZone: NgZone;

    // When downgrading multiple modules, special handling is needed w.r.t injectors.\n    \n    const hasMultipleDowngradedModules =\n    isNgUpgradeLite && (getDowngradedModuleCount($injector) > 1);\n    \n    return {
      require: [REQUIRE_INJECTOR, REQUIRE_NG_MODEL],\n      link: (scope: IScope, element: IAugmentedJQuery, attrs: IAttributes, required: any[]) => {
        // We might have to compile the contents asynchronously, because this might have been\n        // triggered by `UpgradeNg1ComponentAdapterBuilder`, before the Angular templates have\n        // been compiled.\n        \n        const ngModel: INgModelController = required[1];\n        \n        const parentInjector: Injector|Thenable<Injector>|undefined = required[0];\n        \n        let moduleInjector: Injector|Thenable<Injector>|undefined = undefined;\n        let ranAsync = false;\n
        if (!parentInjector || hasMultipleDowngradedModules) {\n          \n          \n        const lazyModuleRefKey = `\n          \n          validateInjectionKey($injector, downgradedModule, lazyModuleRefKey, attemptedAction);\n          \n          const lazyModuleRef = $injector.get(lazyModuleRefKey) as LazyModuleRef;\n          \n          moduleInjector = lazyModuleRef.injector || lazyModuleRef.promise as Promise<Injector>;\n        }\n        \n        Notes:\n        // There are two injectors: `finalModuleInjector` and `finalParentInjector` (they might be\n        // the same instance, but that is irrelevant);\n        \n        // `finalModuleInjector` is used to retrieve `ComponentFactoryResolver`, thus it must\n        // be\n        // on the same tree as the `NgModule` that declares this downgraded component.\n        \n        // `finalParentInjector` is used for all other injection purposes.\n        // (Note that Angular knows to only traverse the component-tree part of that injector,\n        // when looking for an injectable and then switch to the module\n        // injector.);\n        \n        // There are basically three cases:\n        // - If there is no parent component (thus no `parentInjector`), we bootstrap the downgraded\n        //   `NgModule` and use its injector as both `finalModuleInjector` and\n        //   `finalParentInjector`.\n        // - If there is a parent component (and thus a `parentInjector`) and we are sure that it\n        //   belongs to the same `NgModule` as this downgraded component\n        // (e.g. because there is only one downgraded module, we use that `parentInjector` as both `finalModuleInjector` and\n        // `finalParentInjector`).\n        // - If there is a parent component, but it may belong\n        // to a different `NgModule`, then we use the `parentInjector` as `finalParentInjector` and this downgraded\n        // component\n        // declaring `NgModule`’s injector as `finalModuleInjector`.\n        // Note 1: If the `NgModule` is already bootstrapped, we just get its injector (we don't\n        // bootstrap again).\n        // Note 2: It is possible that (while there are multiple downgraded modules) this\n        // downgraded component and its parent component both belong to the same \n        // In that case, we could have used the `parentInjector` as both\n        // `finalModuleInjector` and `finalParentInjector`, but (for simplicity) we are\n        // treating this case as if they belong to different `NgModule`s. That doesn't\n        // really affect anything, since `parentInjector` has `moduleInjector` as ancestor\n        // and trying to resolve

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`ComponentFactoryResolver` from either one will return
        //           the same instance.

        // If there is a parent component, use its injector as parent injector.
        // If this is a \"top-level\" Angular component, use the module injector.
        const finalParentInjector = parentInjector || moduleInjector !;

        // If there is a parent component that belongs to the same
        // `NgModule`, use its injector as parent injector.
        // If this is a \"top-level\" Angular component or the parent component may belong to a
        // different \`NgModule\`, use the module injector for module-specific dependencies.
        const finalModuleInjector = moduleInjector || parentInjector !;

        const doDowngrade = (injector: Injector, moduleInjector: Injector) => {
          // Retrieve `ComponentFactoryResolver` from the injector tied to the `NgModule` this
          // component belongs to.
          const componentFactoryResolver: ComponentFactoryResolver =
              injector.get(ComponentFactoryResolver);
          const componentFactory: ComponentFactory<any> =
              componentFactoryResolver.resolveComponentFactory(info.component) !;

          if (!componentFactory) {
            throw new Error(`Expecting ComponentFactory for: ${getTypeName(info.component)}`);
          }

          const injectorPromise = new ParentInjectorPromise(element);
          const facade = new DowngradeComponentAdapter(
              element, attrs, scope, ngModel, injector, $injector, $compile, $parse,
              componentFactory, wrapCallback);

          const projectableNodes = facade.compileContents();
          facade.createComponent(projectableNodes);
          facade.setupInputs(isNgUpgradeLite, info.propagateDigest);
          facade.setupOutputs();
          facade.registerCleanup();

          injectorPromise.resolve(facade.getInjector());

          if (ranAsync) {
            // If this is run async, it is possible
            // that it is not run inside an
            // digest and initial input values will not be detected.
            scope.$evalAsync(()
                => {});
          }
        };

        const downgradeFn =
            !isNgUpgradeLite ? doDowngrade : (pInjector: Injector, mInjector: Injector) => {
              if (!ngZone) {
                ngZone = pInjector.get(NgZone);
              }

              wrapCallback(() => doDowngrade(pInjector, mInjector))();
            };

        // NOTE:
        // Not
        // using `ParentInjectorPromise.all()` (which is inherited from `SyncPromise`), because
        // Closure Compiler (or
        // some related tool) complains:
        // `TypeError: ...$src$downgrade_component_ParentInjectorPromise.all is not a
        // function`
        SyncPromise.all([finalParentInjector, finalModuleInjector])
            .then(([pInjector, mInjector]) =>
              doDowngradeFn(pInjector, mInjector));

        injectorPromise.resolve(facade.getInjector());

        private injectorKey: string = controllerKey(INJECTOR_KEY);
        constructor(private element: IAugmentedJQuery) {
          super();
          // Store the promise on the element.
          element.data !(this.injectorKey,
              this); // Store the real injector on the element.
          element.data !(this.injectorKey, injector); // Release the element to prevent memory leaks.
          // Resolve the promise.
          super.resolve(injector);
          // *class Injectable\* Copyright Google Inc. All Rights
          Reserved. *
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          found in the LICENSE file at https://angular.io/license
        }

        import {Injector} from '@angular/core';
        import {IInjectorService} from './angular1';
        import {$INJECTOR, INJECTOR_KEY} from './constants';
        import {getTypeName, isFunction, validateInjectionKey} from './util';

        /**
         * @description
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         *
         * *Part of the
         * `upgrade/static` library for hybrid upgrade apps that support AOT compilation*
         *
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter.
         * This function allows a helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
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         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
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         * `token` parameter. **
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         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
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         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
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         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identified by the
         * `token` parameter. **
         *
         * A helper function to allow an Angular service to be accessible from AngularJS.
         * **Part of the
         * [upgrade/static/api?query=upgrade%2Fstatic] library for hybrid upgrade apps that support AOT compilation
         * This helper function returns a factory function that provides access to the Angular\* service identif
name we gave when downgrading.

When using `downgradeModule()`, downgraded injectables will not be available until the Angular module that provides them is instantiated. In order to be safe, you need to ensure that the downgraded injectables are not used anywhere outside the part of the app where it is guaranteed that their module has been instantiated.

For example, it is _not OK_ to use a downgraded service in an upgraded component that is only used from a downgraded Angular component provided by the same Angular module as the injectable, but it _is_ possible to use it in an AngularJS component that may be used independently of Angular.

When using `downgradeModule()` use it in a downgraded Angular component from a different module.

The module, whose injector will be used for instantiating the injectable, will _not_ be used anywhere outside the part of the app where it is guaranteed that its module has been instantiated.

This option is only necessary when using `downgradeModule()` to downgrade more than one Angular module.

```typescript
export function downgradeInjectable(token: any, downgradedModule: string = ''): Function {
  const factory = function($injector: InjectorService) {
    const injectorKey = `${INJECTOR_KEY}${downgradedModule}`;
    const InjectableName = isFunction(token) ? getTypeName(token) : String(token);
    const attemptedAction = `instantiating injectable '${InjectableName}'`;

    validateInjectionKey($injector, downgradedModule, injectorKey, attemptedAction);

    const injector: Injector = $injector.get(injectorKey);
    return injector.get(token);
  };
  (factory as any)['$inject'] = [$INJECTOR];

  return factory;
}
```

**Public APIs**

- `VERSION`: A constant that holds the version number of the module.
  ```typescript
  export const VERSION = new Version('9.0.7');
  ```

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---

**NgAdapterInjector**

```typescript
export class NgAdapterInjector implements Injector {
  constructor(private modInjector: Injector) {}

  // When Angular locate a service in the component injector tree, the not found value is set to
  // `NOT_FOUND_CHECK_ONLY_ELEMENT_INJECTOR`. In such a case we should not walk up to the module
  ```

---

**AngularJS Providers**

```typescript
import {IInjectorService} from '../../src/common/src/angular1';

// We store the ng1 injector so that the provider in the module injector can access it
// Then we `get` the ng1 injector from the module injector, which triggers the provider to read the stored injector and release the reference to it

let tempInjectorRef: IInjectorService|null = null;
export function setTempInjectorRef(injector: IInjectorService) {
  tempInjectorRef = injector;
}
export function injectorFactory() {
  if (!tempInjectorRef)
    throw new Error('Trying to get the AngularJS injector before it being set.');

  const injector: IInjectorService = tempInjectorRef;
  tempInjectorRef = null;  // clear the value to prevent memory leaks
  return injector;
}
```

---

**RootScope**

```typescript
export function rootScopeFactory(i: IInjectorService) {
  return i.get('$rootScope');
}
```

---

**Compile**

```typescript
export function compileFactory(i: IInjectorService) {
  return i.get('$compile');
}
```

---

**Parse**

```typescript
export function parseFactory(i: IInjectorService) {
  return i.get('$parse');
}
```

---

**AngularJS Providers**

```typescript
export const angular1Providers = [
  {provide: '$injector', useFactory: injectorFactory, deps: []},
  {provide: '$rootScope', useFactory: rootScopeFactory, deps: ['$injector']},
  {provide: '$compile', useFactory: compileFactory, deps: ['$injector']},
  {provide: '$parse', useFactory: parseFactory, deps: ['$injector', '$injector']}
];
```
AngularJS only supports a single tree and should always check the module injector. get(token: any, notFoundValue?: any): any {
    if (notFoundValue === NOT_FOUND_CHECK_ONLY_ELEMENT_INJECTOR) {
      return notFoundValue;
    }

    return this.modInjector.get(token, notFoundValue);
  }
}

/**
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 * 
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 */

import {Injector, NgModuleFactory, NgModuleRef, StaticProvider} from '@angular/core';
import {platformBrowser} from '@angular/platform-browser';

import {IInjectorService, IProvideService, module_ as angularModule} from '../../src/common/src/angular1';
import {$INJECTOR, $PROVIDE, DOWNGRADED_MODULE_COUNT_KEY, INJECTOR_KEY, LAZY_MODULE_REF, UPGRADE_APP_TYPE_KEY, UPGRADE_MODULE_NAME} from './util';

import {angular1Providers, setTempInjectorRef} from './angular1_providers';
import {NgAdapterInjector} from './util';

let moduleUid = 0;

/**
 * @description
 * A helper function for creating an AngularJS module that can bootstrap an Angular module "on-demand" (possibly lazily) when a component requests it. This allows loading and bootstrapping the Angular part of a hybrid application lazily and not having to pay the cost up-front. For example, you can have an AngularJS application that uses Angular for specific routes and only bootstrap the Angular modules if the user visits one of these routes. The Angular module will be bootstrapped once (when requested for the first time) and the same reference will be used from that point onwards.
 *
 * `downgradeModule()` requires either an `NgModuleFactory` or a function:
 * - `NgModuleFactory`: If you pass an `NgModuleFactory`, it will be used to instantiate a module using `platformBrowser`'s `bootstrapModuleFactory()`.
 * - `Function`: If you pass a function, it is expected to return a promise resolving to an `NgModuleRef`. The function is called with an array of extra providers that are expected to be available from the returned `NgModuleRef`'s `Injector`.
 *
 * `downgradeModule()` returns the name of the created AngularJS wrapper module. You can use it to declare a dependency in your main AngularJS module.
 *
 * For more details on how to use `downgradeModule()` see [Upgrading for Performance](guide/upgrade-performance).
 *
 * Apart from `UpgradeModule`, you can use the rest of the `upgrade/static` helpers as usual to build a hybrid application. Note that the Angular pieces (e.g. downgraded services) will not be available until the downgraded module has been bootstrapped, i.e. by instantiating a downgraded module using `bootstrapModuleFactory()`. You cannot use `downgradeModule()` and `UpgradeModule` in the same hybrid application. Use one or the other.
 *
 * Differences with `UpgradeModule`:
 *
 * Besides their different API, there are two important internal differences between `downgradeModule()` and `UpgradeModule` that affect the behavior of hybrid applications:
 *
 * 1. Unlike `UpgradeModule`, `downgradeModule()` does not automatically run `digest()` when changes are detected in the Angular part of the application.
 *
 * This means that applications using `UpgradeModule` will run change detection more frequently in order to ensure that both frameworks are properly notified about possible changes. This will inevitably result in more change detection runs than necessary, on the other side, does not try to tie the two change detection systems as tightly, restricting the explicit change detection runs only to cases where it knows it is necessary (e.g. when the inputs of a downgraded component change). This improves performance, especially in change-detection-heavy applications, but leaves it up to the developer to manually notify each framework as needed. For a more detailed discussion of the differences and their implications, see [Upgrading for Performance](guide/upgrade-performance).
 */

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Object.create(null); const filledSlots = Object.create(null); // Parse the element selectors.
Object.keys(transclude).forEach(slotName => {
  let selector = transclude[slotName];
  const optional = selector.charAt(0) === '?';
  selector = optional ? selector.substring(1) : selector;
  slotMap[selector] = slotName;
  slots[slotName] = null; // 'null': Defined but not yet filled.
  filledSlots[slotName] = optional; // Consider optional slots as filled.
});

// Add the matching elements into their slot.

contentChildNodes.forEach(node => {
  const slotName = slotMap[directiveNormalize(node.nodeName.toLowerCase())];
  if (slotName) {
    filledSlots[slotName] = true;
    slots[slotName] = slots[slotName] || [];
    slots[slotName].push(node);
  } else {
    $template.push(node);
  }
});

// Check for required slots that were not filled.
Object.keys(filledSlots).forEach(slotName => {
  if (!filledSlots[slotName]) {
    throw new Error(`Required transclusion slot '${slotName}' on directive: '${this.name}.'`);
  }
});

Object.keys(slots).filter(slotName => slots[slotName]).forEach(slotName => {
  const nodes = slots[slotName];
  slots[slotName] = (scope: IScope, cloneAttach: ICloneAttachFunction) => {
    return cloneAttach!(nodes, scope);
  };
});

AngularJS v1.6+ ignores empty or whitespace-only transcluded text nodes. But Angular
removes all text content after the first interpolation and updates it later, after evaluating the expressions. This would result in AngularJS failing to recognize text nodes that start with an interpolation as transcluded content and use the fallback content instead.
To avoid this issue, we add `\u200C` to empty text nodes (which can only be a result of Angular removing their initial content).
NOTE: Transcluded text content that starts with whitespace followed by an interpolation will still fail to be detected by AngularJS.
else {
  throw new Error(`Unrecognized 'require' syntax on upgraded directive '${this.name}': `);
}

function getOrCall<T>(property: T | Function, ...args: any[]): T {
  return isFunction(property) ? property(...args) : property;
}

// NOTE: Only works for 'typeof T' == 'object'.
function isMap<T>(value: SingleOrListOrMap<T>): value is {[key: string]: T} {
  return value && isArray(value) && typeof value === 'object' &&
}

function notSupported(name: string, feature: string) {
  throw new Error(`Upgraded directive '${name}' contains unsupported feature: '${feature}'.`);
}

/**
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 * 
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 * found in the LICENSE file at https://angular.io/license
 */

import {DoCheck, ElementRef, EventEmitter, Injector, OnChanges, OnDestroy, OnInit, SimpleChanges, looseIdentical} from '@angular/core';

import {IAttributes, IAugmentedJQuery, IDirective, IDirectivePrePost, InJECTorService, ILinkFn, IScope, ITranscludeFunction} from '.../..src/common/src/angular1';

import {$SCOPE} from '.../..src/common/src/constants';

import {isFunction} from '.../..src/common/src/util';

const NOT_SUPPORTED: any = 'NOT_SUPPORTED';
const INITIAL_VALUE = {
  __UNINITIALIZED__: true
};

class Bindings {
  twoWayBoundProperties: string[] = [];
  twoWayBoundLastValues: any[] = [];

  expressionBoundProperties: string[] = [];

  propertyToOutputMap: {[propName: string]: string} = {};
}

/**
 * @description
 *
 * A helper class that allows an AngularJS component to be used from
 * Angular.
 *
 * *Part of the [upgrade/static](api?query=upgrade%2Fstatic)
 * library for hybrid upgrade apps that
 * support AOT compilation.*
 *
 * This helper class should be used as a base class for creating Angular directives
 * that wrap AngularJS components. It must be "upgraded" using the
 * `UpgradeHelper` class.
 *
 * @usageNotes
 * ### Examples
 *
 * Let's assume that you have an AngularJS component called `ng1Hero` that needs
 * to be made available in
 * Angular templates.
 *
 * `{@example upgrade/static/ts/full/module.ts region="ng1-hero"}
 *
 * We must create a `Directive` that will make this AngularJS component
 * available inside Angular templates.
 *
 * `{@example upgrade/static/ts/full/module.ts region="ng1-hero-wrapper"}
 *
 * In this example you can see that we must
derive from the `UpgradeComponent` base class but also provide an

 * Note that we must do the following:
 * * specify the directive's selector (`ng1Hero`)
 * * specify all inputs and
 *   outputs that the AngularJS component expects
 *   derive from `UpgradeComponent`'s call the base class from the
 *   constructor, passing
 *   the AngularJS name of the component (`ng1Hero`) as the `ElementRef` and
 *   `Injector` for the component wrapper.
 *   specify the directive's selector (`ng1Hero`) and specify all inputs and
 *   outputs that the AngularJS component expects.
 * * derive from `UpgradeComponent`'s call the base class from the
 *   constructor, passing
 *   the AngularJS name of the component (`ng1Hero`) as the `ElementRef` and
 *   `Injector` for the component wrapper.
 *   specify the directive's selector (`ng1Hero`) and specify all inputs and
 *   outputs that the AngularJS component expects.
 * * derive from `UpgradeComponent`'s call the base class from the
 *   constructor, passing
 *   the AngularJS name of the component (`ng1Hero`) as the `ElementRef` and
 *   `Injector` for the component wrapper.
 *   specify the directive's selector (`ng1Hero`) and specify all inputs and
 *   outputs that the AngularJS component expects.
$parentScope = injector.get($SCOPE);

// QUESTION 1: Should we create an isolated scope if the scope is only true?

this.$componentScope = $parentScope.$new(!this.directive.scope);
this.initializeOutputs();

// QUESTION 2: Should we make the scope accessible through `$element.scope()/isolateScope()`?

this.$componentScope = $parentScope.$new(!!this.directive.scope);

initializeOutputs();

ngOnInit() {

    // Collect contents, insert and compile template
    const attachChildNodes: ILinkFn|undefined = this.helper.prepareTransclusion();
    const linkFn = this.helper.compileTemplate();

    // Instantiate controller
    const controllerType = this.directive.controller;
    const bindToController = this.directive.bindToController;
    if (controllerType) {
      this.controllerInstance = this.helper.buildController(controllerType,
        this.$componentScope);
    } else if (bindToController) {
      throw new Error(`Upgraded directive '${this.directive.name}' specifies 'bindToController' but no controller.`);
    }

    // Set up outputs
    this.bindingDestination = bindToController ? this.controllerInstance : this.$componentScope;

    requireOtherControllers(const requiredControllers =>
      this.resolveAndBindRequiredControllers(this.controllerInstance));

    // Hook: $onChanges
    if (this.pendingChanges) {
      this.forwardChanges(this.pendingChanges);
      this.pendingChanges = null;
    }

    // Hook: $onInit
    if (this.controllerInstance && isFunction(this.controllerInstance.$onInit)) {
      this.controllerInstance.$onInit();
    }

    // Hook: $doCheck
    if (this.controllerInstance && isFunction(this.controllerInstance.$doCheck)) {
      const callDoCheck = () => this.controllerInstance.$doCheck();
      this.unregisterDoCheckWatcher = this.$componentScope.$parent.$watch(callDoCheck);

      callDoCheck();
    }

    // Linking
    const link = this.directive.link;
    const preLink = typeof link == 'object' && link.pre;
    const postLink = typeof link == 'object' ? link.post : link;
    const attrs: IAttributes = NOT_SUPPORTED;
    const transcludeFn: ITranscludeFunction = NOT_SUPPORTED;
    if (preLink) {
      preLink(this.$componentScope, this.$element, attrs, requiredControllers, transcludeFn);
    }

    linkFn(this.$componentScope, null !, {parentBoundTranscludeFn: attachChildNodes});

    if (postLink) {
      postLink(this.$componentScope, this.$element, attrs, requiredControllers, transcludeFn);
    }

    // Hook: $postLink
    if (this.controllerInstance && isFunction(this.controllerInstance.$postLink)) {
      this.controllerInstance.$postLink();
    }

  }

  ngOnChanges(changes: SimpleChanges) {
    if (!this.bindingDestination) {
      this.pendingChanges = changes;
    } else {
      this.forwardChanges(changes);
    }

  }

  ngDoCheck() {
    const twoWayBoundProperties = this.bindings.twoWayBoundProperties;
    const twoWayBoundLastValues = this.bindings.twoWayBoundLastValues;
    const propertyToOutputMap = this.bindings.propertyToOutputMap;

    twoWayBoundProperties.forEach((propName, idx) => {
      const newValue = this.bindingDestination[propName];
      const oldValue = twoWayBoundLastValues[idx];

      if (!looseIdentical(newValue, oldValue)) {
        const outputName = propertyToOutputMap[propName];
        const eventEmitter: EventEmitter<any> = (this as any)[outputName];

        eventEmitter.emit(newValue);
        twoWayBoundLastValues[idx] = newValue;
      }
    });

  }

  ngOnDestroy() {
    if (isFunction(this.unregisterDoCheckWatcher)) {
      this.unregisterDoCheckWatcher();
    }

    this.helper.onDestroy(this.$componentScope, this.controllerInstance);

    private initializeBindings(directive: IDirective) {
      const binds = new Bindings();

      if (isFunction(directive.bindToController)) {
        const btIsObject = typeof directive.bindToController === 'object';
        const context = btIsObject ? directive.bindToController :
          Object.keys(directive.scope).length;

        if (context == 0) {
          throw new Error(`Binding definitions on scope and controller at the same time is not supported.`);
        }

        const context = btIsObject ? directive.bindToController :
          Object.keys(directive.scope).length;

        if (context == 0) {
          throw new Error(`Binding definitions on scope and controller at the same time is not supported.`);
        }

        const bindingType = definition.charAt(0);

        if (bindingType) {
          switch (bindingType) {
            case '@'
            case '<'
              // We don't need to do anything special. They will be defined as inputs on the
              // upgraded component facade and the change propagation will be handled by
              // `ngOnChanges()`.
            break;
            case '&'
              // We don't need to do anything special. They will be defined as outputs on the
              // upgraded component facade and the change propagation will be handled by
              // `ngOnChanges()`.
            break;
            case '='
              // We don't need to do anything special. They will be defined as inputs on the
              // upgraded component facade and the change propagation will be handled by
              // `ngOnChanges()`.
            break;
            case '&'
              // We don't need to do anything special. They will be defined as outputs on the
              // upgraded component facade and the change propagation will be handled by
              // `ngOnChanges()`.
            break;
          }
        }
      }
    }
  }
 propName; 
 break;
 default: 
 let json = JSON.stringify(context);
 throw new Error(
 'Unexpected mapping '${bindingType}' in '${json}' in '${this.name}' directive: ');
 return bindings;
 })

 private initializeOutputs() {
 // Initialize the outputs for '=' and '&=' bindings
 bindings.twoWayBoundProperties.forEach(propName => {
 const outputName = bindings.propertyToOutputMap[propName];
 (this as any)[outputName] = new EventEmitter();
 });

 bindings.expressionBoundProperties.forEach(propName => {
 const emitter = (this as any)[propName];
 this.bindingDestination[propName] = (value: any) => emitter.emit(value);
 });

 forwardChanges(changes: SimpleChanges) {
 // Forward input changes to 'bindingDestination'
 Object.keys(changes).forEach(propName =>
 this.bindingDestination[propName] = changes[propName].currentValue;

 if (isFunction(this.bindingDestination.$onChanges)) {
 this.bindingDestination.$onChanges(changes);
 }
}

 /**
 * @license
 * Copyright Google Inc. All Rights Reserved.
 *
 * Use of this source code is governed by an MIT-style license that can be found in the LICENSE file at https://angular.io/license
 */

 import {Injector, NgModule, NgZone, Testability, isDevMode} from '@angular/core';
 import {IInjectorService, IIntervalService, IProvideService, ITestabilityService, bootstrap, element as angularElement, module_ as angularModule} from '../../src/common/src/angular1';
 import {$$TESTABILITY, $DELEGATE, $INJECTOR, $INTERVAL, $PROVIDE, INJECTOR_KEY, LAZY_MODULE_REF, UPGRADE_APP_TYPE_KEY, UPGRADE_MODULE_NAME} from '../../src/common/src/constants';
 import {LazyModuleRef, UpgradeAppType, controllerKey} from '../../src/common/src/util';
 import {Angular1Providers, setTempInjectorRef} from './angular1_providers';
 import {NgAdapterInjector} from './util';

 /**
 * @description
 *
 * An `NgModule`, which you import to provide AngularJS core services,
 * and has an instance method used to bootstrap the hybrid upgrade application.
 *
 * Part of the `upgrade/static` library for hybrid upgrade apps that support AOT
 * compilation*
 *
 * The `upgrade/static` package contains helpers that allow AngularJS and Angular components
 * to be used together inside a hybrid upgrade application, which supports AOT compilation.
 * Specifically, the classes and functions in the `upgrade/static` module allow the following:
 *
 * 1. Creation of an Angular directive that wraps and exposes an AngularJS component so
 *    that it can be used in an Angular template. See `UpgradeComponent`.
 * 2. Creation of an AngularJS directive that wraps and exposes an Angular component so
 *    that it can be used in an AngularJS template. See `downgradeComponent`.
 * 3. Bootstrapping of a hybrid Angular application which contains both of the frameworks
 *    coexisting in a single application.
 *
 * `UpgradeModule` below.
 *
 * See `UpgradeComponent` for details and examples.
 *
 * The following list describes what is happening and explains what
 * is happening at the lowest level. There are two independent frameworks running in a single
 * application, each framework treats the other as a black box.
 *
 * 1. There are two independent frameworks running in a single application, each framework treats the other as a black box.
 * 2. Each DOM element on the page is owned exactly by one framework. Whichever framework instantiated the element is the owner. Each framework only updates/interacts with its own DOM elements and ignores others.
 * 3. AngularJS directives always execute inside the AngularJS framework codebase regardless of where they are instantiated. AngularJS components always execute inside the Angular framework codebase regardless of where they are instantiated.
 * 4. An AngularJS component can be "upgraded" to an Angular component. This is achieved by defining an Angular directive, which bootstraps the AngularJS component at its location in the DOM. See `UpgradeComponent` for details.
 * 5. An Angular component can be "downgraded" to an AngularJS component. This is achieved by defining an AngularJS directive, which bootstraps the Angular component at its location in the DOM.
the DOM. See `downdegComponent`.

7. Whenever an `upgraded`/`downgraded` component is instantiated, the host element is owned by the framework doing the instantiation. The other framework then instantiates and owns the view for that component.

1. This implies that the component bindings will always follow the semantics of the instantiation framework.

2. The DOM attributes are parsed by the framework that owns the current template. So attributes in AngularJS templates must use kebab-case, while AngularJS templates must use camelCase.

3. However the template binding syntax will always use the Angular style, e.g. square brackets (`[...]`) for property binding.

8. Angular is bootstrapped first; AngularJS is bootstrapped second. AngularJS always owns the root component of the application.

9. The new application is running in an Angular zone, and therefore it no longer needs calls to `$apply()`.

### The `UpgradeModule` class

This class is an `NgModule`, which you import to provide AngularJS core services, and has an instance method used to bootstrap the hybrid upgrade application.

- Importing this `NgModule` will add providers for the core AngularJS services

- This class is an `NgModule`, which you import to provide AngularJS core services, and has an instance method used to bootstrap the hybrid upgrade application.

- Core AngularJS services

- Bootstrap

- The runtime instance of this class contains a method, which you use to bootstrap the top level AngularJS module onto an element in the DOM for the hybrid upgrade application.

- It also contains properties to access the `UpgradeModule#injector root injector`, the bootstrap `NgZone` and the `AngularJS Jinjector`.

- Template binding syntax will always use the Angular style, e.g. square brackets (`[...]`) for property binding.

### Examples

- Import the `UpgradeModule` into your top level `NgModule`.

```typescript
import {UpgradeModule} from '@angularUpgradeModule';

@NgModule({
  imports: [UpgradeModule],
  providers: []
})
export class AppModule {
  constructor(private injector: Injector) {
    console.log('Hello from AppModule');
  }
}
```

- Then inject `UpgradeModule` into your Angular `NgModule` and use it to bootstrap the top level AngularJS module.

---

@publicApi
```typescript
@NgModule({
  providers: ...
})
export class UpgradeModule {
  constructor(
    injector: any,
    ngZone: NgZone) {
    this.injector = new NgAdapterInjector(injector);
  }

  bootstrap(
    element: Element, modules: string[] = [],
    config?: any /*angular.IAngularBootstrapConfig*/) {
    const INIT_MODULE_NAME =_upgradeModuleName + '.init';

    // Create an ng1 module to bootstrap
    const initModule = angularModule(INIT_MODULE_NAME, [])

    .constant(UPGRADE_APP_TYPE_KEY, UpgradeAppType.Static)

    .value(INJECTOR_KEY, this.injector)

    .factory(LAZY_MODULE_REF, () => LazyModuleRef)

    .config((ctrl) => SPROVIDE, SINJECTOR, ctrl)

    .injector(InjectorService) => ctrl

    .delegate($provide, ($injector) => ($injector || Inject
```
context

const newWhenStable = function(callback: Function) {
  originalWhenStable.call(testabilityDelegate, function() {
    const ng2Testability: Testability = injector.get(Testability);
    if (ng2Testability.isStable()) {
      callback();
    } else {
      ng2Testability.whenStable(newWhenStable);
    }
  });
};

newWhenStable.bind(testabilityDelegate, callback));
return testabilityDelegate;

($injector.has($INTERVAL) => {
  // Wrap the $interval service so that setInterval is called outside NgZone,
  // but the callback is still invoked within it. This is so that $interval
  // won’t block stability, which preserves the behavior from AngularJS.
  let wrappedInterval = function(fn: Function, delay: number,
    count?: number, invokeApply?: boolean,
    ...pass: any[]) => {
    return $rootScope.$evalAsync();
  }, delay, count, invokeApply, ...pass);
});

(wrappedInterval as any)['cancel'] = intervalDelegate.cancel;
return wrappedInterval;

(() => {
  const $rootScope = $injector.get('$rootScope');
  const subscription = this.ngZone.onMicrotaskEmpty.subscribe(() => {
    if ($rootScope.$$phase) {
      if (isDevMode()) {
        console.warn('A digest was triggered while one
      was already in progress. This may mean that something is triggering digests outside the Angular zone.');
      }
    }
  });
  $rootScope.$on('$destroy', () => { subscription.unsubscribe(); });
}).runOutsideAngular(() => fn(...args)); });

let wrappedInterval =

  this.ngZone.runOutsideAngular(() => {
    return intervalDelegate((...args: any[]) => { this.ngZone.run(() => fn(...args)); });
  });

if (isDevMode()) {
  console.warn('A digest was triggered while one
  was already in progress. This may mean that something is triggering digests outside the Angular zone.');
}

return $rootScope.$evalAsync();

function() {
  return $rootScope.$digest();
};

const upgradeModule = angularModule(UPGRADE_MODULE_NAME, [INIT_MODULE_NAME].concat(modules));

if (windowAngular.resumeBootstrap) {
  const originalResumeBootstrap: () => void = windowAngular.resumeBootstrap;
  const ngZone = this.ngZone;
  windowAngular.resumeBootstrap = function() {
    let args = arguments;
    windowAngular.resumeBootstrap = originalResumeBootstrap;
    return ngZone.run(() => windowAngular.resumeBootstrap.apply(this, args));
  };
}

const upgradeModule = angularModule(UPGRADE_MODULE_NAME, [INIT_MODULE_NAME].concat(modules));

return upgradeModule.angularUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUpgradeUp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CAAC,IAAI,CAAC,EAAE,MAAM,CAAC,CAAC,EAAE,EAAC,CAAC;;QAG7E,IAAI,aAAa,CAAC,eAAe,EAA
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CAAC,EAAC,CAAC;aAC1E,CAAA,CAAC;SACH;KACF;;;YArJF,QAAQ,SAAC,EAAC,SAAS,EAAE,CAAC,iB
AAiB,CAAC,EAAC;;;;YAxIlC,QAAQ;YAAY,MAAM;;;;;;;IA6IhC,kCAAmD;;;;;IAEnD,iCAA0B;;;;;IAMtB,+BA
AqB;;;;;;;;;;;;;;;AC7J3B;;GAEG;;;;"}
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1047774535_1591199783.98/0/angular-upgrade-9-0-7-srczip/fesm2015/static.js.map
No license file was found, but licenses were detected in source scan.
{"version":3,"file":"upgrade.umd.js","sources":["../../../../../../../packages/upgrade/src/common/src/version.ts","../../../
../../external/npm/node_modules/tslib/tslib.es6.js","../../../../../../../packages/upgrade/src/common/src/angular1.ts","../.
./../../../../../packages/upgrade/src/common/src/constants.ts","../../../../../../../packages/upgrade/src/common/src/compo
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upgrade/src/dynamic/src/upgrade_ng1_adapter.ts","../../../../../packages/upgrade/src/dynamic/src/upgrade_adapter.ts"
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rade.ts"],"sourcesContent":["/**\n * @license\n * Copyright Google Inc. All Rights Reserved.\n *\n * Use of this
source code is governed by an MIT-style license that can be\n * found in the LICENSE file at
https://angular.io/license\n */\n\n/**\n * @module\n * @description\n * Entry point for all public APIs of the
common package.\n */\n\nimport {Version} from '@angular/core';\n\n/**\n * @publicApi\n */\nexport const
VERSION = new Version('9.0.7');\n","/*!
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INCLUDING WITHOUT LIMITATION ANY IMPLIED\r\nWARRANTIES OR CONDITIONS OF TITLE,
FITNESS FOR A PARTICULAR PURPOSE,\r\nMERCHANTABLITY OR NON-INFRINGEMENT.\r\n\r\nSee
the Apache Version 2.0 License for specific language governing permissions\r\nand limitations under the
License.\r\n***************************************************************************** */\r\n/*
global Reflect, Promise */\r\n\r\nvar extendStatics = function(d, b) {\r\n extendStatics = Object.setPrototypeOf
||\r\n
({ __proto__: [] } instanceof Array && function (d, b) { d.__proto__ = b; }) ||\r\n
function (d, b) { for
(var p in b) if (b.hasOwnProperty(p)) d[p] = b[p]; };\r\n return extendStatics(d, b);\r\n};\r\n\r\nexport function
__extends(d, b) {\r\n extendStatics(d, b);\r\n function __() { this.constructor = d; }\r\n d.prototype = b === null
? Object.create(b) : (__.prototype = b.prototype, new __());\r\n}\r\n\r\nexport var __assign = function() {\r\n
__assign = Object.assign || function __assign(t) {\r\n
for (var s, i = 1, n = arguments.length; i < n; i++) {\r\n
s = arguments[i];\r\n
for (var p in s) if (Object.prototype.hasOwnProperty.call(s, p)) t[p] = s[p];\r\n
}\r\n
return t;\r\n }\r\n return __assign.apply(this, arguments);\r\n}\r\n\r\nexport function __rest(s, e) {\r\n var t
= {};\r\n for (var p in s) if (Object.prototype.hasOwnProperty.call(s, p) && e.indexOf(p) < 0)\r\n
t[p] =
s[p];\r\n if (s != null && typeof Object.getOwnPropertySymbols === \"function\")\r\n
for (var i = 0, p =
Object.getOwnPropertySymbols(s); i < p.length; i++) {\r\n
if (e.indexOf(p[i]) < 0 &&

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DIRECTIVE_PREFIX_REGEXP = /^(?:x|data)\[:\-_]+/.g;

 DIRECTIVE_SPECIAL_CHARS_REGEXP = /[:\-_]+(.)/g;

directiveNormalize(name: string): string {
  return name.replace(DIRECTIVE_PREFIX_REGEXP, '').
    replace(DIRECTIVE_SPECIAL_CHARS_REGEXP, (_, letter) => letter.toUpperCase());
}

getUpgradedAppType($injector: IInjectorService): UpgradeAppType {
  return UpgradeAppType.None;
}

getUpgradeAppTypeKey($injector: IInjectorService): UpgradeAppType {
  return UpgradeAppType.None;
}

supportsNgModel(component: any): boolean {
  return typeof component.writeValue === 'function' &&
    typeof component.registerOnChange === 'function';
}

hookupNgModel(ngModel: INgModelController, component: any) {
  if (ngModel && supportsNgModel(component)) {
    component.writeValue = ngModel.$render = () => {
      component.writeValue(ngModel.$viewValue);
    };
    component.registerOnChange = ngModel.$setViewValue.bind(ngModel);
    if (typeof component.registerOnTouched === 'function') {
      component.registerOnTouched = ngModel.$setTouched.bind(ngModel);
    }
  }
}

testTwoValues = ...

export class Deferred<R> {
  promise: Promise<R>;
  resolve!: (value?: R | PromiseLike<R>) => void;
  reject!: (error?: any) => void;

  constructor() {
    this.promise = new Promise((resolve, reject) => {
      this.resolve = resolve;
      this.reject = reject;
    });
  }
}

export interface LazyModuleRef {
  injector?: Injector;
  promise?: Promise<Injector>;
}

export const UpgradeAppType = {
  None,
  Dynamic,
  Static,
  Lite,
};

export function validateInjectionKey($injector: IInjectorService, 
    downgradeModule: string, injectionKey: string, 
    attemptedAction: string): void {
  const upgradeAppType = getUpgradeAppType($injector);
  const downgradedModuleCount = getDowngradedModuleCount($injector);
  // Check for common errors.
  switch (upgradeAppType) {
    case UpgradeAppType.Dynamic:
    case UpgradeAppType.Static:
      if (downgradedModule) {
        throw new Error(`Error while ${attemptedAction}: 'downgradedModule' unexpectedly specified. You should not specify a value for $downgradedModule\', unless you are downgrading + 'more than one Angular module (via $downgradedModule()['\'];\n      } 
      break; case UpgradeAppType.Lite:
          if (!$injector.$injector.has(injectionKey)) { 
        throw new Error(`Error while ${attemptedAction}: Unable to find the specified downgraded module. Did you forget to downgrade an Angular module or include it in the AngularJS + 'application?\';
      } 
      break; default: 
          throw new Error(`Error while ${attemptedAction}: Not a valid '@angular/upgrade' application. Did you forget to downgrade an Angular module or include it in the AngularJS + 'application?\';
      }
  }
}

export function getDowngradedModuleCount($injector: IInjectorService): number {
  return $injector.$injector.has(DOWNGRADED_MODULE_COUNT_KEY) ? $injector.$injector.get(DOWNGRADED_MODULE_COUNT_KEY) : 0;
}

export function getUpgradeAppType($injector: IInjectorService): UpgradeAppType {
  return $injector.$injector.has(UPGRADE_APP_TYPE_KEY) ? $injector.$injector.get(UPGRADE_APP_TYPE_KEY) : UpgradeAppType.None;
}

export function isFunction(value: any): value is Function {
  return typeof value === 'function';
}

export function getTypeName(type: Type<any>): string {
  return (type as any).overriddenName || type.name || type.toString().split('\n')[0];
}

export function getUpgradeAppType($injector: IInjectorService): UpgradeAppType {
  return ($injector.$injector.has(UPGRADE_APP_TYPE_KEY) ? $injector.$injector.get(UPGRADE_APP_TYPE_KEY) : UpgradeAppType.None);
}

export function validateInjectionKey($injector: IInjectorService, 
    downgradeModule: string, injectionKey: string, 
    attemptedAction: string): void {
  const upgradeAppType = getUpgradeAppType($injector);
  const downgradedModuleCount = getDowngradedModuleCount($injector);

  // Check for common errors.
  switch (upgradeAppType) {
    case UpgradeAppType.Dynamic:
    case UpgradeAppType.Static:
      if (downgradedModule) {
        throw new Error(`Error while ${attemptedAction}: 'downgradedModule' unexpectedly specified. You should not specify a value for $downgradedModule\', unless you are downgrading + 'more than one Angular module (via $downgradedModule()['\';\n      } 
      break; case UpgradeAppType.Lite:
          if (!$injector.$injector.has(injectionKey)) { 
        throw new Error(`Error while ${attemptedAction}: Unable to find the specified downgraded module. Did you forget to downgrade an Angular module or include it in the AngularJS + 'application?\';
      } 
      break; default: 
          throw new Error(`Error while ${attemptedAction}: Not a valid '@angular/upgrade' application. Did you forget to downgrade an Angular module or include it in the AngularJS + 'application?\';
      }
  }
}

export class Deferred<R> {
  promise: Promise<R>;
  resolve!: (value?: R | PromiseLike<R>) => void;
  reject!: (error?: any) => void;

  constructor() {
    this.promise = new Promise((resolve, reject) => {
      this.resolve = resolve;
      this.reject = reject;
    });
  }
}

export interface LazyModuleRef {
  injector?: Injector;
  promise?: Promise<Injector>;
}

export const UpgradeAppType = {
  None,
  Dynamic,
  Static,
  Lite,
};

/**
 * @return Whether the passed-in component implements the subset of the
 *     `ControlValueAccessor` interface needed for
 *     AngularJS `ng-model`
 *     compatibility.
 */
function supportsNgModel(component: any) {
  return typeof component.writeValue === 'function' &&
      typeof component.registerOnChange === 'function';
}

/**
 * Glue the AngularJS `NgModelController` (if it exists) to the component
 * (if it implements the needed subset of
 * the `ControlValueAccessor` interface).
 */
export function hookupNgModel(ngModel: INgModelController, 
    component: any) {
  if (ngModel && supportsNgModel(component)) {
    component.writeValue = ngModel.$render = () => {
      component.writeValue(ngModel.$viewValue);
    };
    component.registerOnChange = ngModel.$setViewValue.bind(ngModel);
    if (typeof component.registerOnTouched === 'function') {
      component.registerOnTouched = ngModel.$setTouched.bind(ngModel);
    }
  }
}

/**
 * Test two values for
strict equality, accounting for the fact that `NaN !== NaN`.

```javascript
export function strictEquals(val1: any, val2: any): boolean {
  return val1 === val2 || (val1 !== val1 && val2 !== val2);
}
```

```javascript
/**
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 * found in the LICENSE file at https://angular.io/license
 */

import {ApplicationRef, ChangeDetectorRef, ComponentFactory, ComponentRef, EventEmitter, Injector, OnChanges, SimpleChange, SimpleChanges, StaticProvider, Testability, TestabilityRegistry, Type} from '@angular/core';

import {IAttributes, IAugmentedJQuery, ICompileService, IInjectorService, INgModelController, IParseService, IScope} from './angular1';
import {PropertyBinding} from './component_info';
import {$SCOPE} from './constants';
import {getTypeName, hookupNgModel, strictEquals} from './util';

const INITIAL_VALUE = {
  __UNINITIALIZED__: true
};

export class DowngradeComponentAdapter {
  private implementsOnChanges = false;
  private inputChangeCount: number = 0;
  private inputChanges: SimpleChanges = {};
  private componentScope: IScope;
  // TODO(issue/24571): remove `!`.
  private componentRef!: ComponentRef<any>;
  private component: any;
  // TODO(issue/24571): remove `!`.
  private changeDetector!: ChangeDetectorRef;
  // TODO(issue/24571): remove `!`.
  private viewChangeDetector!: ChangeDetectorRef;
    this.componentScope = scope.$new();
  }

  compileContents(): Node[][] {
    const compiledProjectableNodes: Node[][] = [];
    const projectableNodes: Node[][] = this.groupProjectableNodes();
    const linkFns = projectableNodes.map(nodes =>
        this.$compile(nodes));

    this.element.empty();

    linkFns.forEach(linkFn => {
      linkFn(this.scope, (clone: Node[]) => {
        compiledProjectableNodes.push(clone);
        this.element.append!(clone);
      });
    });

    return compiledProjectableNodes;
  }

  createComponent(projectableNodes: Node[][]) {
    const providers: StaticProvider[] = [{provide: $SCOPE, useValue: this.componentScope}];
    const childInjector = Injector.create({providers: providers, parent: this.parentInjector, name: 'DowngradeComponentAdapter'});
    this.componentRef = this.componentFactory.create(childInjector, projectableNodes, this.element[0]);
    this.changeDetector = this.componentRef.changeDetectorRef;
  }

  setupInputs(manuallyAttachView: boolean, propagateDigest = true): void {
    const attrs = this.attrs;
    const inputs = this.componentFactory.inputs || [];
    for (let i = 0; i < inputs.length; i++) {
      const input = new PropertyBinding(inputs[i].propName, inputs[i].templateName);
      let expr: string|null = null;

      if (attrs.hasOwnProperty(input.attr)) {
        const observeFn = (prop => {
          let prevValue = INITIAL_VALUE;
          return (currValue: any) => {
            // Initially, both `$observe()` and `$watch()` will call this function.
            if (!strictEquals(prevValue, currValue)) {
              if (prevValue === INITIAL_VALUE) {
                prevValue = currValue;
              }
              this.updateInput(prop, prevValue, currValue);
              prevValue = currValue;
            }
          };
        })(input.prop);
        attrs.$observe(input.attr, observeFn);

        // Use `$watch()` (in addition to `$observe()`) in order to initialize the input in time
        // for `ngOnChanges()`. This is necessary if we are already in a `$digest`
        // for `ngOnChanges()`. (which is called by a watcher) will run before the `$observe()`
        let unwatch: Function|null = this.componentScope.$watch(() => {
          unwatch!();
          return currValue;
        });

      } else if (attrs.hasOwnProperty(input.bindAttr)) {
        expr = attrs[input.bindAttr];
      } else if (attrs.hasOwnProperty(input.bracketAttr)) {
        expr =
    
    ```
attrs[input.bracketAttr] |\n  } else if (attrs.hasOwnProperty(input.bindonAttr)) {\n    expr =\n    attrs[input.bindonAttr];\n  } else if (attrs.hasOwnProperty(input.bracketParenAttr)) {\n    if (expr != null) {\n      const watchFn =\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInputInput(prop, prevValue, currValue))(prop);\n      this.componentScope.$watch(expr, watchFn);\n    }\n  }\n
  // Invoke `ngOnChanges()` and Change Detection\n  (when necessary)\n  if (this.implementsOnChanges) {\n    const watchChanges = this.componentScope.$watch((inputChanges) =>\n      this.componentScope.$watch(() =>\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInput(prop, prevValue, currValue))(prop);\n      ),\n      (inputChanges) =>\n        this.componentScope.$watch((inputChanges) =>\n          this.componentScope.$watch(() =>\n            (prop => (currValue: any, prevValue: any) =>\n              this.updateInput(prop, prevValue, currValue))(prop);\n          ),\n          (inputChanges) =>\n            this.componentScope.$watch(() =>\n              (prop => (currValue: any, prevValue: any) =>\n                this.updateInput(prop, prevValue, currValue))(prop);\n            ),\n            (inputChanges) =>\n              this.componentScope.$watch(() =>\n                (prop => (currValue: any, prevValue: any) =>\n                  this.updateInput(prop, prevValue, currValue))(prop);\n              ));

  // Invoke `ngOnChanges()` and Change Detection\n  (when necessary)\n  if (this.implementsOnChanges) {\n    const watchChanges = this.componentScope.$watch((inputChanges) =>\n      this.componentScope.$watch(() =>\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInput(prop, prevValue, currValue))(prop);\n      ),\n      (inputChanges) =>\n        this.componentScope.$watch(() =>\n          (prop => (currValue: any, prevValue: any) =>\n            this.updateInput(prop, prevValue, currValue))(prop);\n        ),\n        (inputChanges) =>\n          this.componentScope.$watch(() =>\n            (prop => (currValue: any, prevValue: any) =>\n              this.updateInput(prop, prevValue, currValue))(prop);\n          ));

  // Invoke `ngOnChanges()` and Change Detection\n  (when necessary)\n  if (this.implementsOnChanges) {\n    const watchChanges = this.componentScope.$watch((inputChanges) =>\n      this.componentScope.$watch(() =>\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInput(prop, prevValue, currValue))(prop);\n      ),\n      (inputChanges) =>\n        this.componentScope.$watch(() =>\n          (prop => (currValue: any, prevValue: any) =>\n            this.updateInput(prop, prevValue, currValue))(prop);\n        ),\n        (inputChanges) =>\n          this.componentScope.$watch(() =>\n            (prop => (currValue: any, prevValue: any) =>\n              this.updateInput(prop, prevValue, currValue))(prop);\n          ));

  // Invoke `ngOnChanges()` and Change Detection\n  (when necessary)\n  if (this.implementsOnChanges) {\n    const watchChanges = this.componentScope.$watch((inputChanges) =>\n      this.componentScope.$watch(() =>\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInput(prop, prevValue, currValue))(prop);\n      ),\n      (inputChanges) =>\n        this.componentScope.$watch(() =>\n          (prop => (currValue: any, prevValue: any) =>\n            this.updateInput(prop, prevValue, currValue))(prop);\n        ),\n        (inputChanges) =>\n          this.componentScope.$watch(() =>\n            (prop => (currValue: any, prevValue: any) =>\n              this.updateInput(prop, prevValue, currValue))(prop);\n          ));

  // Invoke `ngOnChanges()` and Change Detection\n  (when necessary)\n  if (this.implementsOnChanges) {\n    const watchChanges = this.componentScope.$watch((inputChanges) =>\n      this.componentScope.$watch(() =>\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInput(prop, prevValue, currValue))(prop);\n      ),\n      (inputChanges) =>\n        this.componentScope.$watch(() =>\n          (prop => (currValue: any, prevValue: any) =>\n            this.updateInput(prop, prevValue, currValue))(prop);\n        ),\n        (inputChanges) =>\n          this.componentScope.$watch(() =>\n            (prop => (currValue: any, prevValue: any) =>\n              this.updateInput(prop, prevValue, currValue))(prop);\n          ));

  // Invoke `ngOnChanges()` and Change Detection\n  (when necessary)\n  if (this.implementsOnChanges) {\n    const watchChanges = this.componentScope.$watch((inputChanges) =>\n      this.componentScope.$watch(() =>\n        (prop => (currValue: any, prevValue: any) =>\n          this.updateInput(prop, prevValue, currValue))(prop);\n      ),\n      (inputChanges) =>\n        this.componentScope.$watch(() =>\n          (prop => (currValue: any, prevValue: any) =>\n            this.updateInput(prop, prevValue, currValue))(prop);\n        ),\n        (inputChanges) =>\n          this.componentScope.$watch(() =>\n            (prop => (currValue: any, prevValue: any) =>\n              this.updateInput(prop, prevValue, currValue))(prop);\n          ));
Node[] = [];

let wildcardNgContentIndex: number;

for (let i = 0, ii = ngContentSelectors.length; i < ii; ++i) {
  projectableNodes[i] = [];
}

for (let j = 0, jj = nodes.length; j < jj; ++j) {
  projectableNodes[j].push(node);
}

return projectableNodes;
}

function findMatchingNgContentIndex(element: any, ngContentSelectors: string[]): number|null {
  const ngContentIndices: number[] = [];
  let wildcardNgContentIndex: number = -1;

  for (let i = 0; i < ngContentSelectors.length; i++) {
    const selector = ngContentSelectors[i];
    if (selector === '*') {
      wildcardNgContentIndex = i;
    } else {
      if (matchesSelector(element, selector)) {
        ngContentIndices.push(i);
      }
    }
  }
  ngContentIndices.sort();

  if (wildcardNgContentIndex !== -1) {
    ngContentIndices.push(wildcardNgContentIndex);
  }
  return ngContentIndices.length ? ngContentIndices[0] : null;
}

const _matches: (this: any, selector: string) => boolean = 

function matchesSelector(el: any, selector: string): boolean {
  if (!_matches) {
    const elProto = <any>Element.prototype;
    _matches = elProto.matches ||
        elProto.mozMatchesSelector || elProto.msMatchesSelector ||
        elProto.oMatchesSelector || elProto.webkitMatchesSelector;
  }
  return el.nodeType === Node.ELEMENT_NODE ? _matches.call(el, selector) : false;
}

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 */

import {isFunction} from './util';

export interface Thenable<T> { then(callback: (value: T) => any): any; }

export function isThenable<T>(obj: unknown): obj is Thenable<T> {
  return !!obj && isFunction((obj as any).then);
}

/**
 * Synchronous, promise-like object.
 */
export class SyncPromise<T> {
  protected value: T|undefined;
  private resolved = false;
  private callbacks: ((value: T) => unknown)[] = [];

  static all<T>(valuesOrPromises: (T|Thenable<T>)[]): SyncPromise<T[]> {
    const aggrPromise = new SyncPromise<T[]>();

    let resolvedCount = 0;
    const results: T[] = [];
    const resolve = (idx: number, value: T) => {
      results[idx] = value;
      if (++resolvedCount === valuesOrPromises.length) aggrPromise.resolve(results);
    };

    valuesOrPromises.forEach((p, idx) => {
      if (isThenable(p)) {
        p.then(v => resolve(idx, v));
      } else {
        resolve(idx, p);
      }
    });

    return aggrPromise;
  }

  resolve(value: T): void {
    // Do nothing, if already resolved.
    if (this.resolved) return;

    this.value = value;
    this.resolved = true;
    this.callbacks.forEach(callback => callback(value));
    this.callbacks.length = 0;
    this.callbacks = [];
  }

  then(callback: (value: T) => unknown): void {
    if (this.resolved) {
      callback(this.value !);
    } else {
      this.callbacks.push(callback);
    }
  }
}

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 */

import {ComponentFactory, ComponentFactoryResolver, Injector, NgZone, Type} from '@angular/core';

import {IAnnotatedFunction, IAttributes, IAugmentedJQuery, ICompileService, IDirective, INgModelController, IParseService, IScope} from './angular1';
import {$COMPILE, $INJECTOR, $PARSE, INJECTOR_KEY, LAZY_MODULE_REF, REQUIRE_INJECTOR, REQUIRE_NG_MODEL} from './constants';
import {LazyModuleRef, UpgradeAppType, controllerKey, getDowngradedModuleCount, getTypeName, getUpgradeAppType, validateInjectionKey} from './util';
import {DowngradeComponentAdapter} from './downgrade_component_adapter';
import {SyncPromise, Thenable} from './promise_util';
import {LazyModuleRef, UpgradeAppType, controllerKey, getDowngradedModuleCount, getUpgradeAppType, validateInjectionKey} from '../util';

// Part of the upgrade/static library for hybrid upgrade apps that support AOT compilation

Helper function that allows an Angular component to be used from AngularJS.

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*ng2Heroes* that needs to be made available in AngularJS templates.

*ng2Heroes* We must create an AngularJS directive that wraps the `\$downgraded\$` component.

```javascript
@template[]
```
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```typescript
'parentInjector') and we are sure that it
        // belongs to the same `NgModule` as this downgraded component
        // (e.g. because there is only
        'finalModuleInjector' and
        // `finalParentInjector`.n
        // - If there is a parent component, but it may belong
        to a different `NgModule`, then we
        // use the `parentInjector` as `finalParentInjector` and this downgraded
        component
        // declaring `NgModule`’s injector as `finalModuleInjector`.n
        // Note 1: If the
        // `NgModule` is already bootstrapped, we just get its injector (we don't
        // bootstrap again).n
        // Note 2: It is possible that (while there are multiple downgraded modules) this
        // downgraded component and its parent component both belong to the same NgModule.n
        // In that case, we could have used the
        // `parentInjector` as both
        // `finalModuleInjector` and `finalParentInjector`, but (for simplicity) we are
        // treating this case as if they belong to different `NgModule`s. That doesn't
        // really affect anything, since `parentInjector` has `moduleInjector` as ancestor
        // and trying to resolve
        // `ComponentFactoryResolver` from either one will return
        // the same instance.n
        // If there is a parent component, use its injector as parent injector.n
        // If this is a "top-level" Angular component, use the
        moduleInjector
        const finalParentInjector = parentInjector || moduleInjector !
        // If this is a "top-
        // level" Angular component or the parent component may belong to a
        // different `NgModule`, use the module
        // injector for module-specific dependencies.n
        // If there is a parent component that belongs to the same
        // `NgModule`, use its injector.
        const finalModuleInjector = moduleInjector || parentInjector !
        const doDowngrade = (injector: Injector, moduleInjector: Injector) => {
          // Retrieve `ComponentFactoryResolver`
          // from the injector tied to the `NgModule` this
          // // component belongs to.
          const componentFactoryResolver =
          moduleInjector.get(ComponentFactoryResolver);
          const componentFactory =
          componentFactoryResolver.resolveComponentFactory(info.component) !;
          if (!componentFactory) {
            throw new Error(`Expecting ComponentFactory for: ${getTypeName(info.component)}`);
          }
          const injectorPromise = new ParentInjectorPromise(element);
          const facade = new
          DowngradeComponentAdapter(element, attrs, scope, ngModel, injector, $injector, $compile, $parse,
          componentFactory, wrapCallback);
          const projectableNodes = facade.compileContents();
          facade.createComponent(projectableNodes);
          facade.setupInputs(isNgUpgradeLite, info.propagateDigest);
          facade.setupOutputs();
          facade.registerCleanup();
          injectorPromise.resolve(facade.getInjector());
          if (ranAsync) {
            // If this is run async, it is possible
            // that it is not run inside
            // digest and initial input values will not be detected.
            scope.$evalAsync(() => {});
          }
        };

        const downgradeFn =
        !isNgUpgradeLite ? doDowngrade : (pInjector: Injector, mInjector: Injector) => {
          if (!ngZone) {
            ngZone = pInjector.get(NgZone);
          }
          wrapCallback(() => doDowngrade(pInjector, mInjector))();
        };

        // NOTE:
        // Not
        // using `ParentInjectorPromise.all()` (which is inherited from `SyncPromise`),
        because
        // Closure Compiler (or
        // some related tool) complains:n
        // // `TypeError: ...$src$downgrade_component_ParentInjectorPromise.all is not a
        // function`.
        SyncPromise.all([finalParentInjector, finalModuleInjector])
        .then(([pInjector, mInjector]) =>
          doDowngradeFn(pInjector, mInjector));

        ranAsync = true;
      };

      // bracket-notation because
      // of closure - see #14441
      directiveFactory['$inject'] = ['$COMPILE', '$INJECTOR', '$PARSE'];
      return
      directiveFactory;
    }]
    return
    directiveFactory;
  }
}
```
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```typescript
/**
 * @description
 *
 * A helper function to allow an Angular service to be accessible from Angular
 * service identified by the 'token' parameter.
 *
 * @example upgrade/static/ts/full/module.ts region="\ng2-heroes-service"\n
 * Inside an AngularJS component's controller we can get hold of the
 * downgraded service via the
 * name we gave when downgrading:
 *
 * @example upgrade/static/ts/full/module.ts region="\ng2-module"\n
 * @param token an `InjectionToken` that identifies a service provided from Angular.
 * @param downgradedModule the name of the downgraded module (if any) that the injectable
 * "belongs to",
 * (This option is only necessary when using `downgradeModule()` to downgrade more than one
 * Angular
 * module as the injectable, but it is not OK to use it in an AngularJS component that may be used
 * independently of Angular:
 * use it in a downgraded Angular component from a different module.
 *
 * @returns a [factory function](https://docs.angularjs.org/guide/di) that can be used
 * to register the service on an AngularJS module:
 *
 * @publicApi
 */
export function downgradeInjectable(token: any, downgradedModule: string = ''): Function {
  const factory = function($injector:
`IInjectorService`) {
    const injectorKey = `${INJECTOR_KEY}${downgradedModule}`;
    const injectableName = isFunction(token) ? getTypeName(token) : String(token);
    const attemptedAction = `instantiating injectable '${injectableName}'`;

    validateInjectionKey($injector, downgradedModule, injectorKey, attemptedAction);

    const injector: Injector = $injector.get(injectorKey);
    return injector.get(token);
  };
  (factory as any)['$inject'] = [$INJECTOR];

  return factory;
}
```

```typescript
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import {ElementRef, Injector, SimpleChanges} from '@angular/core';

import {DirectiveRequireProperty, IAugmentedJQuery, ICloneAttachFunction, ICompileService, IController, IControllerService, IDirective, IHttpBackendService, IInjectorService, ILinkFn, IScope, ITemplateCacheService, SingleOrListOrMap, element as angularElement} from './angular1';
import {$COMPILE, $CONTROLLER, $HTTP_BACKEND, $INJECTOR, $TEMPLATE_CACHE} from './constants';
import {controllerKey, directiveNormalize, isFunction} from './util';
```

```typescript
// Constants
const REQUIRE_PREFIX_RE = /^(\^\^?)?(\?)?(\^\^?)?/;

// Interfaces
export interface IBindingDestination {
  [key: string]: any;
  $onChanges?: (changes: SimpleChanges) => void;
}

export interface IControllerInstance extends IBindingDestination {
  $doCheck?: () => void;
  $onDestroy?: () => void;
  $onInit?: () => void;
  $postLink?: () => void;
}

// Classes
export class UpgradeHelper {
  public readonly $injector: IInjectorService;
  public readonly element: Element;
  public readonly $element: IAugmentedJQuery;
  public readonly directive: IDirective;

  private readonly $compile: ICompileService;
  private readonly $controller: IControllerService;

  constructor(
      private injector: Injector, private name: string, elementRef: ElementRef,
      directive?: IDirective) {
    this.$injector = injector.get($INJECTOR);
    this.$compile = this.$injector.get($COMPILE);
    this.$controller = this.$injector.get($CONTROLLER);
    this.$element = elementRef.nativeElement;
    this.directive = directive;
  }
```
Object.keys(filledSlots).forEach(slotName => {
    if (!filledSlots[slotName]) {
        throw new Error(`Required transclusion slot '${slotName}' on directive: ${this.name}`);
    }
});

Object.keys(slots).filter(slotName => slots[slotName]).forEach(slotName => {
    const nodes = slots[slotName];
    slots[slotName] = (scope: IScope, cloneAttach: ICloneAttachFunction) => {
        return cloneAttach!(nodes, scope);
    };
});

// Attach "$slots" to default slot transclude fn.
attachChildrenFn.$$slots = slots;

// AngularJS v1.6+ ignores empty or whitespace-only transcluded text nodes. But Angular
// removes all text content after the first interpolation and updates it later, after
// evaluating the expressions. This would result in AngularJS failing to recognize text
// that starts with an interpolation as transcluded content and use the fallback
// content instead.
// To avoid this issue, we add a
// [zero-width non-joiner character](https://en.wikipedia.org/wiki/Zero-width_non-joiner) // to empty
text nodes (which can only be a result of Angular removing their initial content). // NOTE: Transcluded text
content that starts with whitespace followed by an interpolation\n // will still fail to be detected by AngularJS
v1.6+\n
Stemplate.forEach(node => {
    if (node.nodeType === Node.TEXT_NODE && !node.nodeValue) {
        node.nodeValue = '\u200C';
    }
});

return attachChildrenFn;

resolveAndBindRequiredControllers(controllerInstance: IControllerInstance|null) {
    const directiveRequire = this.getDirectiveRequire();
    const requiredControllers = this.resolveRequire(directiveRequire);

    if (controllerInstance && this.directive.bindToController && isMap(directiveRequire)) {
        const requiredControllersMap = requiredControllers as{
            [key: string]: IControllerInstance
        };
        Object.keys(requiredControllersMap).forEach(key => {
            controllerInstance[key] = requiredControllersMap[key];
        });
    }

    return requiredControllers;
}

private compileHtml(html: string): ILinkFn {
    this.element.innerHTML = html;
    return this.$compile(this.element.childNodes);
}

private extractChildNodes(): Node[] {
    const childNodes: Node[] = [];
    let childNode: Node|null;

    while (childNode = this.element.firstChild) {
        this.element.removeChild(childNode);
        childNodes.push(childNode);
    }

    return childNodes;
}

private getDirectiveRequire(): DirectiveRequireProperty {
    const require = this.directive.require || (this.directive.controller &&
    this.directive.name) !;

    if (isMap(require)) {
        Object.keys(require).forEach(key => {
            const value = require[key];
            const match = value.match(REQUIRE_PREFIX_RE) !;
            const name = value.substring(match[0].length);

            if (!name) {
                require[key] = match[0] + key;
            }
        });
    }

    return require;
}

private resolveRequire(require: DirectiveRequireProperty, controllerInstance?: any): SingleOrListOrMap<IControllerInstance>|null {
    if (!require) {
        return null;
    } else if (Array.isArray(require)) {
        return require.map(req => this.resolveRequire(req));
    } else if (typeof require === 'object') {
        const name = require.key || require;
        const match = require.match(REQUIRE_PREFIX_RE) !;
        const inheritType = match[1] || match[3];
        const isOptional = !!match[2];
        const searchParents = !!inheritType;
        const startOnParent = inheritType === '^^';
        const ctrlKey = controllerKey(name);
        const elem = startOnParent ? this.$element.parent() : this.$element;
        const value = searchParents ? elem.inheritedData!(ctrlKey) : elem.data!(ctrlKey);

        if (!value && !isOptional) {
            throw new Error(`Unable to find required '${require}' in upgraded directive '${this.name}':`);
        }
    }

    return null;
}

// NOTE: Only works for `typeof T !== 'object'`.
function isMap<T>(value: SingleOrListOrMap<T>): value is {
    (key: string): T
}

function notSupported(name: string, feature: string) {
    throw new Error(`Upgraded directive '${name}' contains unsupported feature: '${feature}':`);
}

function getOrCall<T>(property: T | Function, ...args: any[]): T {
    return isFunction(property) ? property(...args) : property;
}

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 *


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*/

import {Directive, DoCheck, ElementRef, EventEmitter, Inject, Injector, OnChanges, OnDestroy, OnInit, SimpleChange, SimpleChanges, Type} from '@angular/core';
import {IAttributes, IDirective, IDirectivePrePost, IInjectorService, ILinkFn, IScope, ITranscludeFunction} from './/../.common/src/angular1';
import {ISCOPE} from './../.common/src/constants';
import {IBindingDestination, IControllerInstance, UpgradeHelper} from './../.common/src/upgrade_helper';
import {$SCOPE} from './../.common/src/constants';
import {IBindingDestination, IControllerInstance, UpgradeHelper} from './../.common/src/upgrade_helper';
import {isFunction, strictEquals} from './../.common/src/util';

const CAMEL_CASE = /([A-Z])/g;
const INITIAL_VALUE = {__UNINITIALIZED__: true};
const NOT_SUPPORTED: any = 'NOT_SUPPORTED';

export class UpgradeNg1ComponentAdapterBuilder {
  type: Type<any>;
  inputs: string[] = [];
  inputsRename: string[] = [];
  outputs: string[] = [];
  outputsRename: string[] = [];
  propertyOutputs: string[] = [];
  checkProperties: string[] = [];
  propertyMap: {[name: string]: string} = {};
  directive: IDirective;=
  template: string;

  constructor(public name: string) {
    const selector = name.replace(CAMEL_CASE, (all: string, next: string) => '-' + next.toLowerCase());
    const self = this;

    const directive = {selector: selector, inputs: this.inputsRename, outputs: this.outputsRename};

    @Directive({jit: true, ...directive})
    class MyClass extends UpgradeHelper implements OnInit, OnChanges, DoCheck, OnDestroy {
      constructor(@Inject($SCOPE) scope: IScope, injector: Injector, elementRef: ElementRef) {
        super(new UpgradeHelper(injector, name, elementRef, self.directive || undefined), scope, self.template, self.inputs, self.outputs, self.propertyOutputs, self.checkProperties, self.propertyMap) as any;
      }
    }
    this.type = MyClass;
  }

  extractBindings() {
    const btcIsObject = typeof this.directive === 'object';
    if (btcIsObject && Object.keys(this.directive.scope).length) {
      throw new Error(`Binding definitions on scope and controller at the same time are not supported.`);
    }

    const context = btcIsObject ? this.directive.bindToController : this.directive.scope;
    if (typeof context == 'object') {
      Object.keys(context).forEach(propName => {
        const definition = context[propName];
        const bindingType = definition.charAt(0);
        const bindingOptions = definition.charAt(1);
        const attrName = definition.substring(bindingOptions === '?' ? 2 : 1) || propName;
        const inputName = `input_${attrName}`;
        const inputNameRename = `${inputName}: ${attrName}`;
        const outputName = `output_${attrName}`;
        const outputNameRename = `${outputName}: ${attrName}`;
        const outputNameRenameChange = `${outputNameRename}Change`;

        switch (bindingType) {
          case '@':
          case '<':
            this.inputs.push(inputName);
            this.inputsRename.push(inputNameRename);
            this.propertyMap[inputName] = propName;
            break;
          case '=':
            this.inputs.push(inputName);
            this.inputsRename.push(inputNameRename);
            this.propertyMap[inputName] = propName;
            this.outputs.push(outputName);
            this.outputsRename.push(outputNameRenameChange);
            this.propertyMap[outputName] = propName;
            this.checkProperties.push(propName);
            break;
          case '&':
            this.outputs.push(outputName);
            this.outputsRename.push(outputNameRenameChange);
            this.propertyMap[outputName] = propName;
            break;
        }
      });
    }
  }

  /**
   * Upgrade ng1 components into Angular.
   */
  static resolve(exportedComponents: {[name: string]: UpgradeNg1ComponentAdapterBuilder}, $injector: IInjectorService): Promise<string[]> {
    const promises = Object.keys(exportedComponents).map(name => {
      const exportedComponent = exportedComponents[name];
      exportedComponent.directive = UpgradeHelper.getDirective($injector, name);
      exportedComponent.extractBindings();
      return Promise.resolve(UpgradeHelper.getTemplate($injector, exportedComponent.directive, true)).then(template =>
        template.template = template);
    });
    return Promise.all(promises);
  }
}

class UpgradeNg1ComponentAdapter implements OnInit, OnChanges, DoCheck {

  public constructor(@Inject($SCOPE) scope: IScope, injector: IInjectorService, UpgradeHelper: Type<UpgradeHelper>, name: string, elementRef: ElementRef) {

    this.name = name;
    this.directive = UpgradeHelper.getDirective(injector, name);
    this.extractBindings();
  }

  extractBindings() {
    const btcIsObject = typeof this.directive === 'object';
    if (btcIsObject && Object.keys(this.directive.scope).length) {
      throw new Error(`Binding definitions on scope and controller at the same time are not supported.`);
    }

    const context = btcIsObject ? this.directive.bindToController : this.directive.scope;
    if (typeof context == 'object') {
      Object.keys(context).forEach(propName => {
        const definition = context[propName];
        const bindingType = definition.charAt(0);
        const bindingOptions = definition.charAt(1);
        const attrName = definition.substring(bindingOptions === '?' ? 2 : 1) || propName;
        const inputName = `input_${attrName}`;
        const inputNameRename = `${inputName}: ${attrName}`;
        const outputName = `output_${attrName}`;
        const outputNameRename = `${outputName}: ${attrName}`;
        const outputNameRenameChange = `${outputNameRename}Change`;

        switch (bindingType) {
          case '@':
          case '<':
            this.inputs.push(inputName);
            this.inputsRename.push(inputNameRename);
            this.propertyMap[inputName] = propName;
            break;
          case '=':
            this.inputs.push(inputName);
            this.inputsRename.push(inputNameRename);
            this.propertyMap[inputName] = propName;
            this.outputs.push(outputName);
            this.outputsRename.push(outputNameRenameChange);
            this.propertyMap[outputName] = propName;
            this.checkProperties.push(propName);
            break;
          case '&':
            this.outputs.push(outputName);
            this.outputsRename.push(outputNameRenameChange);
            this.propertyMap[outputName] = propName;
            break;
        }
      });
    }
  }

  /**
   * Upgrade ng1 components into Angular.
   */
  static resolve(exportedComponents: {[name: string]: UpgradeNg1ComponentAdapter}, $injector: IInjectorService): Promise<string[]> {
    const promises = Object.keys(exportedComponents).map(name => {
      const exportedComponent = exportedComponents[name];
      exportedComponent.extractBindings();
      return Promise.resolve(UpgradeHelper.getTemplate($injector, exportedComponent.directive, true)).then(template =>
        template.template = template);
    });
    return Promise.all(promises);
  }
}

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```typescript
constructor(
private helper: UpgradeHelper, scope: IScope, private template: string,
      private inputs: string[], private outputs: string[], private propOuts: string[][],
      private checkProperties: string[], private propertyMap: {[key: string]: string}) {
  this.directive = helper.directive;
  this.element = helper.element;
  this.$element = helper.$element;
  this.componentScope = helper.componentScope;
  this.destinationObj = helper.destinationObj;
  this.controllerInstance = helper.controllerInstance;
  this.contractorType = this.directive.controllerType;
  this.componentScope = this.directive.componentScope;
  this.destinationObj = this.contractorType;
  this.controllerInstance = this.directive.controllerInstance;
  this.controller = this.directive.controller;
  this.directive.bindToController && & !bindToController) {
    this.controllerInstance = this.directive.bindToController;
  }

  // Linking
  const preLink = typeof linkFn == 'object' && linkFn.pre;
  const postLink = typeof linkFn == 'object' ? linkFn.post : linkFn;
  const attrs: IAttributes = NOT_SUPPORTED;
  const transcludeFn: ITranscludeFunction = NOT_SUPPORTED;
  if (preLink) {
    preLink(this.componentScope, this.$element, attrs, requiredControllers, transcludeFn);
  }

  linkFn(this.componentScope, null !, [parentBoundTranscludeFn: attachChildNodes]);
  if (postLink) {
    postLink(this.componentScope, this.$element, attrs, requiredControllers, transcludeFn);
  }

  // Hook: $postLink
  if (this.controllerInstance && isFunction(this.controllerInstance.$postLink)) {
    this.controllerInstance.$postLink();
  }

  ngDoCheck() {
    this.checkLastValues.push(INITIAL_VALUE);
    checkProperties.forEach((propName, i) => {
      const value = destinationObj ![propName];
      const last = checkLastValues[i];
      if (!strictEquals(last, value)) {
        const eventEmitter: EventEmitter<any> = (this as any)[propOuts[i]];
        eventEmitter.emit(lastValues[i] = value);
      }
    });

    if (this.controllerInstance &&
      isFunction(this.controllerInstance.$doCheck)) {
      this.controllerInstance.$doCheck();
    }

    ngOnDestroy() { this.helper.onDestroy(this.componentScope, this.controllerInstance); }

    setComponentProperty(name: string, value: any) { this.destinationObj ![this.propertyMap[name]] = value;

```
UPGRADE_APP_TYPE_KEY} from './common/src/constants';
import {downgradeComponent} from './common/src/downgrade_component';
import {downgradeInjectable} from './common/src/downgrade_injectable';
import {Deferred, LazyModuleRef, UpgradeAppType, controllerKey, onError} from './common/src/util';

import {UpgradeNg1ComponentAdapterBuilder} from './upgrade_ng1_adapter';

let upgradeCount: number = 0;

/**
 * Use `UpgradeAdapter` to allow AngularJS and Angular to coexist in a single application.
 * The `UpgradeAdapter` allows:
 * 1. creation of Angular component from AngularJS component directive
 *    (See [UpgradeAdapter#upgradeNg1Component()])
 * 2. creation of AngularJS directive from Angular component.
 *    (See [UpgradeAdapter#downgradeNg2Component()])
 * 3. Bootstrapping of a hybrid Angular application which contains both of the frameworks
 *    coexisting in a single application.
 * When reasoning about how a hybrid application works it is useful to have a mental model which
 * describes what is happening and explains what is happening at the lowest level.
 * There are two independent frameworks running in a single application, each framework treats
 * the other as a black box.
 * Each DOM element on the page is owned exactly by one framework. Whichever framework
 * instantiated the element is the owner. Each framework only updates/interacts with its own
 * DOM elements and ignores others.
 * AngularJS directives always execute inside AngularJS framework codebase regardless of
 * where they are instantiated.
 * Angular components always execute inside Angular framework codebase regardless of
 * where they are instantiated.
 * An AngularJS component can be upgraded to an Angular component. This creates an
 * Angular directive, which bootstraps the AngularJS component directive in that location.
 * An Angular component can be downgraded to an AngularJS component directive. This creates an
 * an AngularJS directive, which bootstraps the Angular component in that location.
 * Whenever an adapter component is instantiated the host element is owned by the framework
 * doing the instantiation. The other framework then instantiates and owns the view for that
 * component. This implies that component bindings will always follow the semantics of
 * instantiation framework. The syntax is always that of Angular syntax.
 * AngularJS is always bootstrapped first and owns the bottom most view.
 * The new application is running in Angular zone, and therefore it no longer needs calls to
 * `\$apply()`.
 * ```
 * const adapter = new UpgradeAdapter(forwardRef(() => MyNg2Module), myCompilerOptions);
 * adapter.bootstrap(document.body, ['myExample']).ready(function() {
 *   expect(document.body.textContent).toEqual(
 *     "\n *     <ng2-comp name="World">project</ng2-comp>
 *   );
 * });
 * ```
 * @deprecated Deprecated since v5. Use `upgrade/static` instead, which also supports
 * Ahead-of-Time compilation([guide/aot-compiler]).
 * @publicApi
 */
export class UpgradeAdapter {
  private idPrefix: string = `NG2_UPGRADE_${upgradeCount++}_`;
  private downgradedComponents: Type<any>[] = [];
  /**
   * An internal map of ng1 components which need to upgrade to ng2.
   * We can't upgrade until injector is instantiated and we can retrieve the component metadata.
   * For this reason we keep a list of components to upgrade until ng1 injector is bootstrapped.
   * This is also where we can check if an ng1 component has been upgraded.
   * ```
   * function printUpgradeStatus() {
   *   console.log(`Upgrade status:
   *     ng1: ${downgradedComponents.length}
   *     ng2: ${downgradedProviders.length}
   *     upgraded: ${upgradedComponents.length}`);
   * }
   * function ng1UpgradeNecessary(component) {
   *   return convergedComponents.includes(component) != undefined
   *     && convergedComponents.indexOf(component) < 0;
   * }
   * function ng1ComponentShouldBeUpgraded(component) {
   *   return component.directives && component.directives.length > 0
   *     && !ng1UpgradeNecessary(component);
   * }
   * ```
   * @internal
   */
  private ng1ComponentsToBeUpgraded: { [name: string]: UpgradeNg1ComponentAdapterBuilder } = {};
  private upgradedProviders: StaticProvider[] = [];
  private ngZone!: NgZone;
  private ng1Module!: IModule;
  private ng2BootstrapDeferred!: Deferred<INng1BootstrapService>;
  constructor(private ng2AppModule: Type<any>, private compilerOptions: CompilerOptions) {
    if (ng2AppModule) {
      throw new Error(ng2AppModule);
UpgradeAdapter cannot be instantiated without an NgModule of the Angular app.

### Supported Features

- Attribute: `<comp name="World">`
- Interpolation: `<comp greeting="Hello {{name}}">`
- Event: `<comp close="doSomething()">`

### Mental Model

1. The component is instantiated by being listed in AngularJS template. This means that the `host` element is controlled by AngularJS, but the component's view will be controlled by
2. Even though the component is instantiated in AngularJS, it will be using Angular

### Supported Features

- Bindings: `<comp name="World">`
- Interpolation: `<comp greeting="Hello {{name}}">`
- Event: `<comp close="doSomething()">`

### Usage Notes

1. The component is instantiated by being listed in Angular template. This means that the `host` element is controlled by Angular, but the component's view will be controlled by AngularJS. Although the host element is owned by Angular, which does not allow modifying DOM structure during compilation, the `controller` is supported. (Note: injection of `Sattrs` and `Transclude` is not supported.)
2. Only pre-link function is supported. `name`: supported, `priority`: ignored, `require`: supported, `restrict`: must be set to `E`, `compile`: supported.
3. `template`: supported, `templateUrl`: supported, `link`: ignored, `transclude`: supported.
4. UpgradeAdapter function is not supported, but the host element is owned by Angular, which does not allow modifying DOM structure during compilation.

### Example

```html
const adapter = new UpgradeAdapter(forwardRef(() => MyNg2Module));
const module = angular.module('myExample', []);
module.directive('greet', adapter.upgradeNg1Component(Greeter));
module.directive('ng2', adapter.downgradeNg2Component(Ng2Component));

@Component({
  selector: 'greet',
  template: '
    {{salutation}} {{name}}! - <span ng-transclude></span>
  '})
class Greeter {
  @Input() salutation: string;
  @Input() name: string;
}

@NgModule({
  declarations: [Greeter, Ng2Component],
  imports: [BrowserModule]
})
class MyNg2Module {}

document.body.innerHTML = '<ng2 salutation="Hello" [name]="world">text</ng2>';

adapter.bootstrap(document.body, ['myExample']).ready(function() {
  expect(document.body.textContent).toEqual("Hello world! -
  
```
Open Source Used In MSX SD-WAN Service Pack 3.9.0

```typescript

// Code snippet
```

```
```
function(ng1Injector) {
  return 
}

adapter.upgradeNg1Provider(name: string, options?: {asToken: any}) {
  const token = options && options.asToken || name;
  this.upgradedProviders.push({
    provide: token,
    useFactory: ($injector: IInjectorService) => $injector.get(name),
    deps: [INJECTOR_KEY]
  });
}

/**
 * Allows Angular service to be accessible from AngularJS.
 *
 * @usageNotes
 * ### Example
 *
 * ```
 * const adapter = new UpgradeAdapter(MyNg2Module);
 *
 * const module = angular.module('myExample', [injector]);
 * module.factory('example', adapter.downgradeNg2Provider(Example));
 *
 * adapter.bootstrap(document.body, ['myExample']).ready((ref) => {
 *   const example: Example = ref.ng1Injector.get('example');
 * });
 * ```
 */
const downgradeNg2Provider = adapter.downgradeNg2Provider = downgradeInjectable;

/**
 * Declare the AngularJS upgrade module for this adapter without bootstrapping the whole
 * hybrid application.
 *
 * @param modules
 * The AngularJS modules that this upgrade module should depend upon.
 * @returns The AngularJS upgrade module that is declared by this method
 *
 * @usageNotes
 * ### Example
 *
 * ```
 * const upgradeAdapter = new UpgradeAdapter(MyNg2Module);
 *
 * upgradeAdapter.declareNg1Module(['heroApp']);
 * ```
 */
const declareNg1Module = this.declareNg1Module = (modules: string[]) => {
  const delayApplyExps: Function[] = [
    (ref) => { const example: Example = ref.ng1Injector.get('example');
      let original$applyFn: Function;
      let rootScopePrototype: any;
      let rootScope: IRootScopeService;
      original$applyFn = rootScopePrototype.$apply;
      rootScopePrototype.$apply = (exp: any) => delayApplyExps.push(exp);
    },
    (ng1Module: any) => ng1Module.constant(UPGRADE_APP_TYPE_KEY, UpgradeAppType.Dynamic)
  ];
  return 
};

const LazyModuleRef = class {
  constructor(private declareNg1Module: Function) {
    this.declareNg1Module(['injector']);
  }
};

const Module = class {
  constructor(private declareNg1Module: Function) {
    this.declareNg1Module(['injector']);
  }
};

const rootScopePrototype: any = 
const rootScope: IRootScopeService = 
const ng2Testability: Testability = 
const ng2TestabilityDelegate: TestabilityDelegate = 

// Cannot use arrow function below because we need the context
const originalWhenStable = function(testabilityService) {
  const originalWhenStable: Function = testabilityDelegate.whenStable;

  return rootScope = 
  ng2Testability.whenStable(new WhenStable.bind(this, callback));

  testabilityDelegate.whenStable = new WhenStable
  return testabilityDelegate;

};

function(ng2Testability,$$TESTABILITY, S$.leading, 
 providers: IProvideService, 
 injector: IInjectorService) => {
  provide.decorator(SROOT_SCOPE, ['$delegate',
    function(ng2Testability: TestabilityDelegate) {
      ng2Testability.whenStable(new WhenStable.
    });

  rootScopeDelegate = 
  if (rootScopePrototype.hasOwnProperty('Sapply')) {
    originalSapplyFn = rootScopePrototype.Sapply;
  
  rootScopePrototype.Sapply = (exp: any) => delayApplyExps.push(exp);
  
  throw new Error('Failed to find \$Sapply on \$SrootScope\$?');

  return rootScope = 
  ng2Testability.$delegate.$delegate;

  patience(this: unknown, callback: Function) {
    originalWhenStable.call(this, function(this: unknown) {
      if (ng2Testability.isStable()) {
        callback.apply(this, arguments);
      } else {
        ng2Testability.whenStable(new WhenStable.
      });

  return testabilityDelegate;

};

const LazyModuleRef = class {
  constructor(private declareNg1Module: Function) {
    this.declareNg1Module(['injector']);
  }
};

const Module = class {
  constructor(private declareNg1Module: Function) {
    this.declareNg1Module(['injector']);
  }
};

const rootScopePrototype: any = 
const rootScope: IRootScopeService = 
const ng2Testability: Testability = 
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// Cannot use arrow function below because we need the context
const originalWhenStable = function(testabilityService) {
  const originalWhenStable: Function = testabilityDelegate.whenStable;

  return rootScope = 
  ng2Testability.whenStable(new WhenStable.
    });

  testabilityDelegate.whenStable = new WhenStable
  return testabilityDelegate;

};

function(ng2Testability,$$TESTABILITY, S$.leading, 
 providers: IProvideService, 
 injector: IInjectorService) => {
  provide.decorator(SROOT_SCOPE, ['$delegate',
    function(ng2Testability: TestabilityDelegate) {
      ng2Testability.whenStable(new WhenStable.
    });

  rootScopeDelegate = 
  if (rootScopePrototype.hasOwnProperty('Sapply')) {
    originalSapplyFn = rootScopePrototype.Sapply;
  
  rootScopePrototype.Sapply = (exp: any) => delayApplyExps.push(exp);
  
  throw new Error('Failed to find \$Sapply on \$SrootScope\$?');

  return rootScope = 
  ng2Testability.$delegate.$delegate;

  patience(this: unknown, callback: Function) {
    originalWhenStable.call(this, function(this: unknown) {
      if (ng2Testability.isStable()) {
        callback.apply(this, arguments);
      } else {
        ng2Testability.whenStable(new WhenStable.
      });

  return testabilityDelegate;

};

const LazyModuleRef = class {
  constructor(private declareNg1Module: Function) {
    this.declareNg1Module(['injector']);
  }
};

const Module = class {
  constructor(private declareNg1Module: Function) {
    this.declareNg1Module(['injector']);
  }
};

const rootScopePrototype: any = 
const rootScope: IRootScopeService = 
const ng2Testability: Testability = 
const ng2TestabilityDelegate: TestabilityDelegate = 

// Cannot use arrow function below because we need the context
const originalWhenStable = function(testabilityService) {
  const originalWhenStable: Function = testabilityDelegate.whenStable;

  return rootScope = 
  ng2Testability.whenStable(new WhenStable.
    });

  testabilityDelegate.whenStable = new WhenStable
  return testabilityDelegate;

};

function(ng2Testability,$$TESTABILITY, S$.leading, 
 providers: IProvideService, 
 injector: IInjectorService) => {
  provide.decorator(SROOT_SCOPE, ['$delegate',
    function(ng2Testability: TestabilityDelegate) {
      ng2Testability.whenStable(new WhenStable.
    });

  rootScopeDelegate = 
  if (rootScopePrototype.hasOwnProperty('Sapply')) {
    originalSapplyFn = rootScopePrototype.Sapply;
  
  rootScopePrototype.Sapply = (exp: any) => delayApplyExps.push(exp);
  
  throw new Error('Failed to find \$Sapply on \$SrootScope\$?');

  return rootScope = 
  ng2Testability.$delegate.$delegate;

  patience(this: unknown, callback: Function) {
    originalWhenStable.call(this, function(this: unknown) {
      if (ng2Testability.isStable()) {
        callback.apply(this, arguments);
      } else {
        ng2Testability.whenStable(new WhenStable.
      });

  return testabilityDelegate;

};
function ng1Module.run($injector, $rootScope, $moduleVersionsService, $moduleFactory) {
  ...
}

// At this point we have ng1 injector and we have prepared ng1 components to be upgraded, we now can bootstrap ng2.
platformRef.bootstrapModule(DynamicNgUpgradeModule, [\n  this.ngZone.run(() => {
    ...
  });
}

/**
 * Use UpgradeAdapterRef to control a hybrid Angular JS / Angular application.
 * @deprecated Deprecated since v5. Use upgrade/static instead, which also supports
 * [Ahead-of-Time compilation](guide/aot-compiler).
 * @publicApi
 */
export class UpgradeAdapterRef {
  ng1RootScope: IRootScopeService = null !;
  ng1Injector: IInjectorService = null !;
  ng2ModuleRef: NgModuleRef<any> = null !;
  ng2Injector: Injector = null !;

  _bootstrapDone(ngModuleRef: NgModuleRef<any>, ng1Injector: IInjectorService) {
    ...
  }

  ready(fn: (upgradeAdapterRef: UpgradeAdapterRef) => void) {
    ...
  }

  dispose() {
    ...
  }
}
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1.491 brave-instrumentation-spring-web 5.9.0

1.492 xom 1.2.10

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1.493 zlib 1.2.11

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1.494 spring-context-support 5.2.3

1.494.1 Available under license:

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1.495 miller-rabin 4.0.1

1.496 libxtst 1.2.3-1
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Leandro Lucarella <llucax@gmail.com>
  * VI syntax highlighting tweaks.
  * Fix compiler to not make output executable.
Dilip Joseph <dilip.antony.joseph@gmail.com>
  * Heuristic detection of sub-messages when printing unknown fields in text format.
Brian Atkinson <nairb774@gmail.com>
  * Added @Override annotation to generated Java code where appropriate.
Vincent Choinire <Choiniere.Vincent@hydro.qc.ca>
  * Tru64 support.
Monty Taylor <monty.taylor@gmail.com>
  * Solaris 10 + Sun Studio fixes.
Alek Storm <alek.storm@gmail.com>
  * Slicing support for repeated scalar fields for the Python API.
Oleg Smolsky <oleg.smolsky@gmail.com>
  * MS Visual Studio error format option.
  * Detect unordered_map in stl_hash.m4.
Brian Olson <brianolson@google.com>
  * gzip/zlib I/O support.
Michael Poole <mdpoole@troilus.org>
  * Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
  * Added generation of field number constants.
Wink Saville <wink@google.com>
  * Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
  * Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
* HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
  * Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
  * Optimize Java serialization code when writing a small message to a stream.
  * Optimize Java serialization of strings so that UTF-8 encoding happens only
    once per string per serialization call.
  * Clean up some Java warnings.
  * Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
  * Added CodedInputStream.getTotalBytesRead().
Kacper Kowalik <xarthisius.kk@gmail.com>
  * Fixed m4/acx_pthread.m4 problem for some Linux distributions.
William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.
  * Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
  * Fixed minor IBM xC compiler build issues
  * Added atomicops for AIX (POWER)

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----
Oracle OpenJDK

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Upstream source:
ftp.gnu.org:/pub/gnu/readline/readline-4.3.tar.gz.

Author: Per Bothner

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1.516 libstd-c 8.2.0-1ubuntu2~18.04

1.517 bind 9.11.4

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfft2bb5b6.
Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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   <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
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   <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
   <xsl:if test="translate($rest, '&#9;&#32;', '')">
     <xsl:call-template name="isc.copyright.format">
       <xsl:with-param name="text" select="$rest"/>
     </xsl:call-template>
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1.518 ethtool 4.13

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1.520 rx-netty-contexts 0.4.9

1.521 ribbon-httpclient 2.3.0

1.522 zlib 1.2.11.dfs 1

1.522.1 Available under license:

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1.523 angular-simple-logger 0.1.7

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1.525 curl 7.58.0
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1.526 mapstruct 1.2.0

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1.527 util-linux 2.33.1-0.1

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1.529 python-certifi 2018.1.18
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1.531 angular-common 9.0.7

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK
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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
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http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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### 1.534 jackson-databind 2.10.2

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The End

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current
This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

cut

use TestInit;
use strict;
use Config;
BEGIN { require 'test.pl' }

if ( $Config{usecrosscompile} ) { 
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so 
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "",
    my $copyright_msg = <$readme>;


my ($year) = $copyright_msg =~ /\d{4,}/s
    or die "Year not found in README copyright message '$copyright_msg'';

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b\d{4,}/i
        or die "Copyright statement not found in perl -v output '$output'';

$year;
}

--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzlib/libbzlib version 1.0.6 of 6 September 2010

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buildRequires:
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1.541 angular-platform-browser-dynamic

9.0.7

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1.544 netty-codec 4.1.45

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==Lua programming language==

The LUA programming language may optionally be embedded into Nmap as part of the Nmap Scripting Engine functionality. LUA will not be included if the without-liblua configuration option is given. If Lua is included, Nmap also includes some LUA modules which also fall under the free LUA license. The LUA license is as follows:


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==OpenSSL SSL encryption library==

OpenSSL can optionally be used by Nmap Service Detection to communicate with SSL-enabled protocols such as https, pop3-s, imaps, etc. Its BSD-style license is too long to include here, but available from http://www.openssl.org/. OpenSSL is not bundled with Nmap.

1.553 consul-api 1.4.1

1.554 spring-data-redis 2.2.4
1.554.1 Available under license:

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Eclipse
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm
Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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## version 0.1
##
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1.574 snappy-java 1.1.7.1

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1.575 angular-nvd3 1.0.9

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1.576 perl 5.28.1 6
1.576.1 Available under license :

#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {

skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>

    my ($year) = $copyright_msg =~ /.*\b\d{4,}/s
        or die "Year not found in README copyright message '$copyright_msg'"

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

    my $output = runperl switches => ['-v'];

my ($year) = $output =~ /copyright 1987.*\((d\{4,\})/i
    or die "Copyright statement not found in perl -v output '$output';

$year;
}
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.'
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------

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1.581 lsb 10.2019051400

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1.582 nv-d3 1.8.6

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1.583 objectweb-asm 7.1

1.584 reactor-extra 3.3.2
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1.585 yeast 0.1.2
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1.586 certifi 2018.1.18

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This package contains a modified version of ca-bundle.crt:

c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.

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%(#) SRCsfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
Metadata-Version: 1.1
Name: certifi
Version: 2018.1.18
Summary: Python package for providing Mozilla's CA Bundle.
Home-page: http://certifi.io/
Author: Kenneth Reitz
Author-email: me@kennethreitz.com
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Description: Certifi: Python SSL Certificates
`Certifi`_ is a carefully curated collection of Root Certificates for validating the trustworthiness of SSL certificates while verifying the identity of TLS hosts. It has been extracted from the `Requests`_ project.

Installation
------------

``certifi`` is available on PyPI. Simply install it with ``pip``::

    $ pip install certifi

Usage
-----

To reference the installed certificate authority (CA) bundle, you can use the built-in function::

    >>> import certifi
    >>> certifi.where()
    '/usr/local/lib/python2.7/site-packages/certifi/cacert.pem'

Enjoy!

1024-bit Root Certificates
~~~~~~~~~~~~~~~~~~~~~~~~~~

Browsers and certificate authorities have concluded that 1024-bit keys are unacceptably weak for certificates, particularly root certificates. For this reason, Mozilla has removed any weak (i.e. 1024-bit key) certificate from its bundle, replacing it with an equivalent strong (i.e. 2048-bit or greater key) certificate from the same CA. Because Mozilla removed these certificates from its bundle, `certifi` removed them as well.

In previous versions, `certifi` provided the `certifi.old_where()` function to intentionally re-add the 1024-bit roots back into your bundle. This was not recommended in production and therefore was removed. To assist in migrating old code, the function `certifi.old_where()` continues to exist as an alias of `certifi.where()`. Please update your code to use `certifi.where()` instead. `certifi.old_where()` will be removed in 2018.

.. _`Requests`: http://docs.python-requests.org/en/latest/

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
This package contains a modified version of ca-bundle.crt:

c-a-bundle.crt -- Bundle of CA Root Certificates

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It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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1.616 zone 0.9.1

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cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_creds.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_creds.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.629 ion-rangeslider 2.0.13
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# Ion.Range Slider 2.0.13

> English description | <a href="readme.ru.md">  </a>  

Easy, flexible and responsive range slider
* <a href="http://ionden.com/a/plugins/ion.rangeSlider/en.html">Project page and demos</a>
* <a href="http://ionden.com/a/plugins/ion.rangeSlider/ion.rangeSlider-2.0.13.zip">Download ion.rangeSlider-
2.0.13.zip</a>

***

## Description
* Ion.RangeSlider — cool, comfortable, responsive and easily customizable range slider
* Supports events and public methods, has flexible settings, can be completely altered with CSS
* Cross-browser: Google Chrome, Mozilla Firefox 3.6+, Opera 12+, Safari 5+, Internet Explorer 8+
* Ion.RangeSlider supports touch-devices (iPhone, iPad, Nexus, etc.).
* Ion.RangeSlider freely distributed under terms of <a href="http://ionden.com/a/plugins/licence.html"
target="_blank">MIT licence</a>.
* With this plugin you will be able to build beautiful range sliders, like this:

![ion.rangeSlider](http://ionden.com/a/plugins/ion.rangeSlider/static/img/ion-range-slider.png)

## Key features
* Skin support. (5 skins included and PSD for skin creation)
* Any number of sliders at one page without conflicts and big performance problems
* Two slider types single (1 slider) and double (2 sliders)
* Support of negative and fractional values
* Ability to set custom step and snap grid to step
* Support of custom values diapason
* Customisable grid of values
* Ability to disable UI elements (min and max, current value, grid)
* Postfixes and prefixes for your numbers ($20, 20 &euro; etc.)
* Additional postfix for maximum value (eg. $0 — $100<b>+</b>)
* Ability to prettify large numbers (eg. 10000000 -> 10 000 000 or 10.000.000)
* Slider writes its value right into input value field. This makes it easy to use in any html form
* Any slider value can be set through input data-attribute (eg. data-min="10")
* Slider supports disable param. You can set it true to make slider inactive
* Slider supports external methods (update, reset and remove) to control it after creation
* For advanced users slider has callbacks (onStart, onChange, onFinish, onUpdate). Slider pastes all its params to callback first argument as object
* Slider supports date and time

## Demos

* <a href="http://ionden.com/a/plugins/ion.rangeSlider/demo.html" class="switch__item">Basic demo</a>
* <a href="http://ionden.com/a/plugins/ion.rangeSlider/demo_advanced.html" class="switch__item">Advanced demo</a>
* <a href="http://ionden.com/a/plugins/ion.rangeSlider/demo_interactions.html" class="switch__item">Interactions demo</a>

## GitHub

* <a href="https://github.com/IonDen/ion.rangeSlider">GitHub page</a>

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[![ pledges.com](https://pledgie.com/campaigns/25694.png?skin_name=chrome)](https://pledgie.com/campaigns/25694)

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/*! normalize.css v3.0.2 | MIT License | git.io/normalize */

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1.630 latencyutils 2.0.3

1.630.1 Available under license:

PK0P=spring-cloud-starter-netflix-ribbon-2.1.2.RELEASE-sources.jar

1.630 latencyutils 2.0.3 Available under license:

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Open Source Used In MSX SD-WAN Service Pack 3.9.0

RDS23v+iCLrF>Cvkeqeq$
1.631 websocket-server 9.4.26.v20200117

1.631.1 Available under license:

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

-----
OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

-----
MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

-----
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://www.cwi.nl/) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created
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Mersenne Twister

-------------

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
------

The `mod:` `socket` `module` uses the functions, `func:` `getaddrinfo`, and
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MD5 message digest algorithm
---------------------------------

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L. Peter Deutsch
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Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at
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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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Modified by Jack Jansen, CWI, July 1995:
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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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1.659 libsemanage 2.8 2
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1.661 pam-radius 1.3.17

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1.663 is-object 1.0.1
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* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-
jar/org/HdrHistogram/PercentileIterator.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-
jar/org/HdrHistogram/Histogram.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-
jar/org/HdrHistogram/ZigZagEncoding.java
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jar/org/HdrHistogram/Version.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-
jar/org/HdrHistogram/AllValuesIterator.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/ConcurrentHistogram.java
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* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/DoubleHistogram.java
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* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/WriterReaderPhaser.java

1.665 process 0.11.10
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1.666 c-ares 1.12.0

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 */

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 *
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1.667 libcap-ng 0.7.9-2
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1.670 javax-websocket-server-impl

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.672 findutils 4.6.0+git+20190209 2
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1.677 spring-cloud-function-context 3.0.0

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* /opt/ws_local/PERMITS_SQL/1028331601_1591433187.84/0/spring-cloud-function-context-3-0-0-release-sources-1-jar/org/springframework/cloud/function/context/config/FunctionContextUtils.java

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1.678 libxi 1.7.9-1
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1.682 oclazyload 1.1.0

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1.686 animal-sniffer-annotation 1.14

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Upstream source https://invisible-island.net/ncurses/ncurses.html
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Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve
this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the
entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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Appendix: How to Apply These Terms to Your New Libraries

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application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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1.700 python-six 1.11.0
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1.701 python-setuptools 39.0.0
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1.702 gdb 8.0.1
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If such an object file uses only numerical parameters, data
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BEGIN{
  FS="\";
  print "/\n  ".-* buffer-read-only: t .-* .vi" \n  ";set ro:";
  print " It is created automatically by copying.awk.";
  print " Modify copying.awk instead. <==" /*;
  print ""
  print "include \"defs.h\""
  print "include \"command.h\""
  print "include \"gdbcmd.h\""
  print ""
  print "static void show_copying_command (char *, int);""
  print ""
  print "static void show_warranty_command (char *, int);""
  print ""
  print "void _initialize_copying (void);"
  print ""
  print "static void";
  print "show_copying_command (char *ignore, int from_tty);"
  print "[";
}
NR == 1;/^[ ]*15\. Disclaimer of Warranty\[ ]*$/
if ($0 ~ //)
{
  printf " printf_filtered (\"\\n\");\\n";
}
else if ($0 !~ //[ ]*15\. Disclaimer of Warranty\[ ]*$/
{
  printf " printf_filtered (\"\");
  for (i = 1; i < NF; i++)
printf "\%s\\", $i;
    printf "\%s\\n\"n", $NF;
}

END

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and
distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public
License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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END OF TERMS AND CONDITIONS
Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>

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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
#!/usr/bin/env python

# Copyright (C) 2011-2017 Free Software Foundation, Inc.
#
This file is part of GDB.

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it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 3 of the License, or
(at your option) any later version.

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---copyright.py

This script updates the list of years in the copyright notices in
most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:
   % filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.
---

import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!).  The names of
    the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
        for root, dirs, files in os.walk(gdb_dir, topdown=True):
            for dirname in dirs:
                reldirname = "%/s/%s" % (root, dirname)
                if (dirname in EXCLUDE_ALL_LIST
                    or reldirname in EXCLUDE_LIST
```
def update_files(update_list):
    """Update the copyright header of the files in the given list.
    """
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list
    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
    # Too much work! (~4,000 files listed as of 2012-01-03).
    update_out = update_out.splitlines()
    warning_string = ': warning: copyright statement not found'
    warning_len = len(warning_string)
for line in update_out:
    if line.endswith('
'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
        else:
            # Unrecognized file format. !?!
            print "*** " + line

def may_have_copyright_notice(filename):
    """Check that the given file does not seem to have a copyright notice.

    The filename is relative to the root directory.
    This function assumes that the current working directory is that root
directory.

    The algorithm is fairly crude, meaning that it might return
    some false positives. I do not think it will return any false
    negatives... We might improve this function to handle more
    complex cases later...
    """
    MAX_LINES = 50
    fd = open(filename)
    lineno = 1
    for line in fd:
        if 'Copyright' in line:
            return True
        lineno += 1
        if lineno > 50:
            return False
    return False

def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"):
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)
update_list = get_update_list()
update_files (update_list)

# Remind the user that some files need to be updated by HAND...
if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand.\033[0m"
    for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
        print "  ", filename

############################################################################
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
############################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (  
    'gdb/nat/glibc_thread_db.h',
    'gdb/CONTRIBUTE',
    'gdb/gnulib/import'
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = (  
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",  
    "fdl.texi", "gpl.texi", "aclocal.m4",  
)

# The list of files to update by hand.
BY_HAND = (  
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",  
    "gdb/testsuite/gdb.base/step-line.c",
    
)
# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (  
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (  
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armmenu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armmenu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
    "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
    "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
    "sim/ppc/options.h", "sim/ppc/gen-decode.c", "sim/ppc/filter.c",
    "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/ld-decode.h",
    "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
    "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
    "sim/ppc/device_table.h", "sim/ppc/ld-insn.c", "sim/ppc/inline.c",
    "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
    "sim/ppc/hw_idc.c", "sim/ppc/debug.c", "sim/ppc/gen-itable.h",
    "sim/ppc/interrupts.c", "sim/ppc/hw_glue.c", "sim/ppc/emul_unix.c",
    "sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/ld-cache.c",
)
if __name__ == "__main__":
    main()
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{} 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

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@c man end
@end ignore
@c node Copying
@node Copying
@c man begin DESCRIPTION
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@end enumerate

@end enumerate

@end example

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1.707 byte-buddy-dep 1.8.22

1.708 select 1.1.2

1.709 enum34 1.1.6

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1.710 libsepol 2.8 1

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1.716 brave-instrumentation-kafka-streams
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JUnit

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C. 
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From strings/apr_snprintf.c:

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* file name: UBiDiProps.java
* encoding: US-ASCII
* tab size: 8 (not used)
* indentation:4
*
* created on: 2005jan16
* created by: Markus W. Scherer
*
* Low-level Unicode bidi/shaping properties access.
* Java port of ubidi_props.h/c.

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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the
start offset is inclusive, and the limit offset is exclusive.

Replaceable also includes API to access characters in the string: length(), charAt(), char32At(), and extractBetween().

For a subclass to support metadata, typical behavior of replace() is the following:

- Set the metadata of the new text to the metadata of the first character replaced.
- If no characters are replaced, use the metadata of the previous character.
- If there is no previous character (i.e. start == 0), use the following character.
- If there is no following character (i.e. the replaceable was empty), use default metadata.
- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata.

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.

Note: This class does not support attributes and is not intended for general use. Most clients will need to implement the Replaceable in their text representation class.

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 */

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import java.io.Serializable;

/**
* Legacy security code; do not use.
*/
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) {
    }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException {
    }

    public PermissionCollection newPermissionCollection() {
        return new AllPermissionCollection();
    }

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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Theodore Ts'o
23-June-2007

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)

(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;\lib;\'"/$(BSD_LIB) $(BSD_LIB)`)

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) 
@-$(LDCONFIG) 
install-strip: install 
install-shlibs-strip:: install-shlibs 
uninstall-shlibs uninstall:: 
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) 
clean:: 
$(RM) -rf pic 
$(RM) -f $(BSD_LIB) 
$(RM) -f ../$(BSD_LIB) 
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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Gadi Oxman, August 1995

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>
* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on [ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

### Features

- **Generic implementation of ASN.1 types (X.208)**
- **Standards compliant BER/CER/DER codecs**
- **Dumps/loads ASN.1 structures from Python types**
- **100% Python, works with Python 2.4 up to Python 3.6**
- **MT-safe**
- **Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)**

### Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of...
high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```bash
Record ::= SEQUENCE {
  id        INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```

Could be expressed in pyasn1 like this:

```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(implicitTag=Tag(tagClassContext, tagFormatSimple, 0))
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(implicitTag=Tag(tagClassContext, tagFormatSimple, 1))
        ),
    )
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you
can use it along the lines of similar Python type (e.g. ASN.1
`SET` is similar to Python `dict`, `SET OF` to `list`):

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```

Part of the power of ASN.1 comes from its serialisation features. You
can serialise your data structure and send it over the network.

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from
network or read from a file, into a Python object which you can
introspect, modify, encode and send back.

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())

>>> for field in received_record:
...    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0

>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int,
list, dict etc.). But ASN.1 types exhibit more complicated behaviour.
To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```  

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
  id=123
  room=321
>>>  
```  

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1
-----------------

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.python.org/pypi/pyasn1).

If something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](http://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).
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* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/char.py
* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/type/base.py
* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/der/test_encoder.py
* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/codec/native/test_encoder.py
* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/compat/binary.py
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* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/pyasn1/codec/ber/test_decoder.py
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* /opt/ws_local/PERMITS_SQL/1063015219_1592948891.89/0/pyasn1-0-4-2-1-tar-gz/pyasn1-0.4.2/tests/compat/integer.py
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.. include:: ../../LICENSE.rst

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ASN.1 library for Python

.. toctree::  
   :maxdepth: 1
Abstract Syntax Notation One (`ASN.1`<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <https://pypi.python.org/pypi/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1
-------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting `discussions <https://news.ycombinator.com/item?id=8871453>`_ on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_ or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific
implementation.

ASN.1 applications
-------------------

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas
-------------

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1> on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation
-------------

.. toctree::
   :maxdepth: 2

/pyasn1/contents

Use case
--------

.. toctree::
   :maxdepth: 2

/example-use-case

Download & Install
All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

The PyASN1 software is distributed under 2-clause BSD License.


The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson
Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

---

1.733 ngdraggable 0.1.10

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1.740 opensaml-java 2.6.6
1.741 libjpeg-turbo 1.5.2-2+b1

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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpegs" and "djpegs", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.
In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.
The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel you need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The “official” archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

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send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford,
FILE FORMAT WARS

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.742 gmp 6.1.2

1.742.1 Available under license:

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*/

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#define UV_PLATFORM_FS_EVENT_FIELDS
  
#define UV_IO_PRIVATE_PLATFORM_FIELDS
  int rcount;
  int wcount;

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */
1.750 spring-integration-kafka 3.2.1

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b) Use a suitable shared library mechanism for linking with the
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1.761 feign-form-spring 3.8.0

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jar/org/springframework/boot/actuate/health/ContributorRegistry.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/annotation/EndpointWebExtension.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/hazelcast/package-info.java
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jar/org/springframework/boot/actuate/endpoint/vertise/OperationInvokerAdvisor.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/trace/http/HttpTraceEndpoint.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/servlet/SkipPathExtensionContentNegotiation.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/EndpointMediaTypes.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/flyway/FlywayEndpoint.java
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jar/org/springframework/boot/actuate/scheduling/ScheduledTasksEndpoint.java
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jar/org/springframework/boot/actuate/endpoint/web/PathMappedEndpoint.java
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jar/org/springframework/boot/actuate/health/NamedContributors.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/servlet/SkipPathExtensionContentNegotiation.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/EndpointMediaTypes.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/EndpointMediaTypes.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
jar/org/springframework/boot/actuate/endpoint/web/EndpointMediaTypes.java
* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-jar/org/springframework/boot/actuate/elasticsearch/ElasticsearchRestHealthIndicator.java
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* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-jar/org/springframework/boot/actuate/health/Health.java
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* /opt/ws_local/PERMITS_SQL/1031928352_1588775709.0/0/spring-boot-actuator-2-2-4-release-sources-jar/org/springframework/boot/actuate/trace/http/TraceableRequest.java

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