



# NpConfiguration

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## OpenAPI

OpenAPI Version: 3.0.0

## Info

**Title:** 3gpp-network-parameter-configuration  
**Version:** "1.0.0"

## Servers

**URL:** '{apiRoot}/3gpp-network-parameter-configuration/v1'

**Variables:**

**API Root:**

**Default:** https://example.com

**Description:** apiRoot as defined in subclause of 3GPP TS 29.122.

## Security

- {}
- oAuth2ClientCredentials: []

# Paths

## `{scsAsId}/configurations`

### get:

**Summary:** read all of the active configurations for the SCS/AS

### Tags:

- NpConfiguration API SCS/AS level GET Operation

### Parameters:

- **Name:** scsAsId  
**In:** path  
**Description:** Identifier of the SCS/AS  
**Required/Optional:** true  
**Schema:**  
**Type:** string

### Responses:

'200':

**Description:** OK (Successful get all of the active NpConfigurations for the SCS/AS)

### Content:

#### Application/JSON:

#### Schema:

**Type:** array

#### Items:

**Reference:** '#/components/schemas/NpConfiguration'

**Min Items:** 0

**Description:** Network Parameter configurations

'400':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/503'

### Default:

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/default'

**Method:** Post

**Summary:** Creates a new configuration resource for network parameter configuration

**Tags:**

- NpConfiguration API Configuration Level POST Operation

**Parameters:**

- **Name:** scsAsId  
**In:** path  
**Description:** Identifier of the SCS/AS  
**Required/Optional:** true  
**Schema:**  
**Type:** string

**Request Body:**

**Description:** new configuration creation  
**Required/Optional:** true  
**Content:**  
**Application/JSON:**  
**Schema:**  
**Reference:** '#/components/schemas/NpConfiguration'

**Callbacks:**

**notificationDestination:**  
**'{request.body#/notificationDestination}':**  
**Method:** Post  
**Request Body:** # contents of the callback message  
**Required/Optional:** true  
**Content:**  
**Application/JSON:**  
**Schema:**  
**Reference:** '#/components/schemas/ConfigurationNotification'

**Responses:**

**'204':**  
**Description:** No Content (successful notification)  
**'400':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/400'  
**'401':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/401'  
**'403':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/403'  
**'404':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/404'  
**'411':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/411'  
**'413':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/413'  
**'415':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/415'  
**'429':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/429'  
**'500':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/500'  
**'503':**

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/503'  
**Default:**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/default'

**Responses:**

**'201':**  
**Description:** Created (Successful creation of configuration)  
**Content:**  
**Application/JSON:**  
**Schema:**  
**Reference:** '#/components/schemas/NpConfiguration'  
**Headers:**  
**Location:**  
**Description:** 'Contains the URI of the newly created resource'  
**Required/Optional:** true  
**Schema:**  
**Type:** string

**'400':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/400'

**'401':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/401'

**'403':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/403'

**'404':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/404'

**'411':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/411'

**'413':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/413'

**'415':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/415'

**'429':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/429'

**'500':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/500'

**'503':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/503'

**Default:**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/default'

**/{scsAsId}/configurations/{configurationId}****get:**

**Summary:** read an active configuration for the SCS/AS and the configuration Id

**Tags:**

- NpConfiguration API Configuration level GET Operation

**Parameters:**

- **Name:** scsAsId  
**In:** path

**Description:** Identifier of the SCS/AS

**Required/Optional:** true

**Schema:**

**Type:** string

- **Name:** configurationId

**In:** path

**Description:** Identifier of the configuration resource

**Required/Optional:** true

**Schema:**

**Type:** string

**Responses:**

'200':

**Description:** OK (Successful get the active configuration)

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/NpConfiguration'

'400':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/400'

'401':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/401'

'403':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/403'

'404':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/404'

'406':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/406'

'429':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/429'

'500':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/500'

'503':

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/503'

**Default:**

**Reference:** 'TS29122\_CommonData.yaml#/components/responses/default'

**put:**

**Summary:** Updates/replaces an existing configuration resource

**Tags:**

- NpConfiguration API Configuration level PUT Operation

**Parameters:**

- **Name:** scsAsId

**In:** path

**Description:** Identifier of the SCS/AS

**Required/Optional:** true

**Schema:**

**Type:** string

- **Name:** configurationId

**In:** path

**Description:** Identifier of the configuration resource

**Required/Optional:** true  
**Schema:**  
**Type:** string  
**Request Body:**  
**Description:** Parameters to update/replace the existing configuration  
**Required/Optional:** true  
**Content:**  
**Application/JSON:**  
**Schema:**  
**Reference:** '#/components/schemas/NpConfiguration'

**Responses:**

**'200':**  
**Description:** OK (Successful deletion of the existing configuration)  
**Content:**  
**Application/JSON:**  
**Schema:**  
**Reference:** '#/components/schemas/NpConfiguration'

**'400':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/400'

**'401':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/401'

**'403':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/403'

**'404':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/404'

**'411':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/411'

**'413':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/413'

**'415':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/415'

**'429':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/429'

**'500':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/500'

**'503':**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/503'

**Default:**  
**Reference:** 'TS29122\_CommonData.yaml#/components/responses/default'

**patch:**

**Summary:** Updates/replaces an existing configuration resource

**Tags:**

- NpConfiguration API Configuration level PATCH Operation

**Parameters:**

- **Name:** scsAsId  
**In:** path  
**Description:** Identifier of the SCS/AS  
**Required/Optional:** true  
**Schema:**

```
    Type: string
- Name: configurationId
  In: path
  Description: Identifier of the configuration resource
  Required/Optional: true
  Schema:
    Type: string
Request Body:
  Required/Optional: true
  Content:
    application/merge-patch+json:
      Schema:
        Reference: '#/components/schemas/NpConfigurationPatch'

Responses:
'200':
  Description: OK. The configuration was modified successfully.
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/NpConfiguration'
'400':
  Reference: 'TS29122_CommonData.yaml#/components/responses/400'
'401':
  Reference: 'TS29122_CommonData.yaml#/components/responses/401'
'403':
  Reference: 'TS29122_CommonData.yaml#/components/responses/403'
'404':
  Reference: 'TS29122_CommonData.yaml#/components/responses/404'
'411':
  Reference: 'TS29122_CommonData.yaml#/components/responses/411'
'413':
  Reference: 'TS29122_CommonData.yaml#/components/responses/413'
'415':
  Reference: 'TS29122_CommonData.yaml#/components/responses/415'
'429':
  Reference: 'TS29122_CommonData.yaml#/components/responses/429'
'500':
  Reference: 'TS29122_CommonData.yaml#/components/responses/500'
'503':
  Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'
delete:
  Summary: Deletes an already existing configuration

Tags:
- NpConfiguration API Configuration level DELETE Operation

Parameters:
- Name: scsAsId
  In: path
```

```

Description: Identifier of the SCS/AS
Required/Optional: true
Schema:
  Type: string
- Name: configurationId
  In: path
  Description: Identifier of the configuration resource
  Required/Optional: true
  Schema:
    Type: string

Responses:
  '204':
    Description: No Content (Successful deletion of the existing configuration)
  '200':
    Description: OK. (Successful deletion of the existing configuration)
    Content:
      Application/JSON:
        Schema:
          Type: array
          Items:
            Reference: 'TS29122_CommonData.yaml#/components/schemas/ConfigResult'
            Min Items: 1
            Description: The configuration was terminated successfully, the configuration
            failure information for group members shall be included if received.
  '400':
    Reference: 'TS29122_CommonData.yaml#/components/responses/400'
  '401':
    Reference: 'TS29122_CommonData.yaml#/components/responses/401'
  '403':
    Reference: 'TS29122_CommonData.yaml#/components/responses/403'
  '404':
    Reference: 'TS29122_CommonData.yaml#/components/responses/404'
  '429':
    Reference: 'TS29122_CommonData.yaml#/components/responses/429'
  '500':
    Reference: 'TS29122_CommonData.yaml#/components/responses/500'
  '503':
    Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

## Components

```

securitySchemes:
  oAuth2ClientCredentials:
    Type: oauth2
    Flows:
      clientCredentials:

```



```

    tokenUrl: '{tokenUrl}'
    scopes: {}

```

**schemas:****NpConfiguration:****Type:** object**Properties:****self:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/Link'**supportedFeatures:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'**externalId:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/ExternalId'**msisdn:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/Msisdn'**externalGroupId:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/ExternalGroupId'**maximumLatency:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/DurationSec'**maximumResponseTime:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/DurationSec'**suggestedNumberOfDlPackets:****Type:** integer**Minimum:** 0

**Description:** This parameter may be included to identify the number of packets that the serving gateway shall buffer in case that the UE is not reachable.

**groupReportingGuardTime:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/DurationSec'**notificationDestination:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/Link'**requestTestNotification:****Type:** boolean

**Description:** Set to true by the SCS/AS to request the SCEF to send a test notification as defined in subclause 5.2.5.3. Set to false or omitted otherwise.

**websocketNotifConfig:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/WebsocketNotifConfig'**oneOf:**

- required: [externalId]
- required: [msisdn]
- required: [externalGroupId]

**NpConfigurationPatch:****Type:** object**Properties:****maximumLatency:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/DurationSecRm'**maximumResponseTime:****Reference:** 'TS29122\_CommonData.yaml#/components/schemas/DurationSecRm'**suggestedNumberOfDlPackets:****Type:** integer**Minimum:** 0

**Description:** This parameter may be included to identify the number of packets that the serving gateway shall buffer in case that the UE is not reachable.

**nullable:** true

```
    groupReportGuardTime:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/DurationSecRm'
ConfigurationNotification:
  Type: object
  Properties:
    configuration:
      Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'
    configResults:
      Type: array
      Items:
        Reference: 'TS29122_CommonData.yaml#/components/schemas/ConfigResult'
      minItems: 1
      Description: The grouping configuration result notification provided by the SCEF.

  Required:
    - configuration
```