



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
```