



# NpConfiguration

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## OpenAPI

OpenAPI Version: 3.0.0

## info

**Title:** 3gpp-network-parameter-configuration

**Version:** "1.0.0"

## externalDocs

**Description:** 3GPP TS 29.122 V15.2.0 T8 reference point for Northbound APIs

**URL:** 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.122/'

## security

- {}

- oAuth2ClientCredentials: []

## 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.

## 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' OK (Successful get all of the active NpConfigurations for the SCS/AS)

**Content:**

**Application/JSON:**

**Schema:**

**Type:** array

**items:**

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

**minItems:** 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'** 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'** 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' 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' 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': 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' No Content (Successful deletion of the existing configuration)

'200' OK. (Successful deletion of the existing configuration)

**Content:****Application/JSON:****Schema:**

**Type:** array

**items:**

**Reference:** 'TS29122\_CommonData.yaml#/components/schemas/ConfigResult'

**minItems:** 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'

**suggestedNumberOfDIPackets:**

**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'

**suggestedNumberOfDIIPackets:**

**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

