



ReportingNetworkStatus

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OpenAPI

OpenAPI Version: 3.0.0

info

Title: 3gpp-network-status-reporting

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-net-stat-report/v1'

Variables:

API Root:

Default: https://example.com

Description: apiRoot as defined in subclause 5.2.4 of 3GPP TS 29.122.

paths

scsAsId subscriptions

Parameters:

- name: scsAsId

In: path

Description: Identifier of the SCS/AS

Required/Optional: true

Schema:

Reference: 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'

get:

Summary: Read all network status reporting subscription resources for a given SCS/AS.

Responses:

'200' The requested information was returned successfully.

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/NetworkStatusReportingSubscription'

minItems: 0

'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: Create a new network status reporting subscription resource.

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NetworkStatusReportingSubscription'

Callbacks:

notificationDestination:

'{request.body#/notificationDestination}':

Method: Post

Request Body: # contents of the callback message

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NetworkStatusReportingNotification'

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' The subscription was created successfully. The URI of the created resource shall be returned in the "Location" HTTP header.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NetworkStatusReportingSubscription'

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 subscriptions subscriptionId

Parameters:

- name: scsAsId

In: path

Description: Identifier of the SCS/AS

Required/Optional: true

Schema:

Reference: 'TS29122_CommonData.yaml#/components/schemas/ScsAsId'

- name: subscriptionId

In: path

Description: Identifier of the subscription resource of type string

Required/Optional: true

Schema:

Reference: 'TS29122_CommonData.yaml#/components/schemas/ResourceId'

get:

Summary: Read an active network status reporting subscription resource.

Responses:

'200' The requested information was returned successfully.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NetworkStatusReportingSubscription'

'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: Modify an existing subscription resource to update a subscription.

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/NetworkStatusReportingSubscription'

Responses:

'200' The subscription was updated successfully.

Content:

Application/JSON:**Schema:****Reference:** '#/components/schemas/NetworkStatusReportingSubscription'

'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:** Delete an existing continuous network status reporting subscription resource.**Responses:**

'204' The subscription was updated successfully.

'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

NetworkStatusReportingSubscription

Type: object

Properties:

self:

Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'

supportedFeatures:

Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

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'

locationArea:

Reference: 'TS29122_CommonData.yaml#/components/schemas/LocationArea'

timeDuration:

Reference: 'TS29122_CommonData.yaml#/components/schemas/DateTime'

thresholdValues:

Type: array

Items:

Reference: '#/components/schemas/CongestionValue'

minItems: 1

Description: Identifies a list of congestion level(s) with exact value that the SCS/AS requests to be informed of when reached.

thresholdTypes:

Type: array

Items:

Reference: '#/components/schemas/CongestionType'

minItems: 1

Description: Identifies a list of congestion level(s) with abstracted value that the SCS/AS requests to be informed of when reached.

Required:

- notificationDestination
- locationArea

not:

Required: [thresholdValues, thresholdTypes]

NetworkStatusReportingNotification

Type: object

Properties:

subscription:

Reference: 'TS29122_CommonData.yaml#/components/schemas/Link'

nsiValue:

Reference: '#/components/schemas/CongestionValue'

nsiType:

Reference: '#/components/schemas/CongestionType'

Required:

- subscription

not:

Required: [nsiValue, nsiType]

CongestionValue

Type: integer

Minimum: 0

Maximum: 31

Description: Unsigned integer with valid values between 0 and 31. The value 0 indicates that there is no congestion. The value 1 is the lowest congestion level and value 31 is the highest congestion level.

CongestionType

anyOf: type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- HIGH: The congestion status is high.

- MEDIUM: The congestion status is medium.
- LOW: The congestion status is low.

