



ReportingNetworkStatus

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: 3gpp-network-status-reporting
Version: "1.0.0"

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.

Security

- {}
- oAuth2ClientCredentials: []

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':

Description: The requested information was returned successfully.

Content:

Application/JSON:

Schema:

Type: `array`

Items:

Reference: `'#/components/schemas/NetworkStatusReportingSubscription'`

Min Items: `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':
    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: 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:
```

/{scsAsId}/subscriptions/{subscriptionId}

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':
 - Description:** 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':
      Description: 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':
    Description: 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

enum:

- HIGH
 - MEDIUM
 - LOW
- type: string

Description:

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.

Description:

Possible values are

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