



NUDM SDM

This service is used by Consumer NFs (AMF, SMF, and SMSF) to retrieve the UEs individual subscription data relevant to the consumer NF from the UDM.

- [OpenAPI, on page 1](#)
- [info, on page 1](#)
- [externalDocs, on page 1](#)
- [security, on page 1](#)
- [servers, on page 2](#)
- [paths, on page 2](#)
- [components, on page 28](#)

OpenAPI

OpenAPI Version: 3.0.0

info

Version: '1.0.0'

Title: 'Nudm_SDM'

Description: 'Nudm Subscriber Data Management Service'

externalDocs

Description: 3GPP TS 29.503 Unified Data Management Services, version 15.2.1

URL: 'http://www.3gpp.org/ftp/Specs/archive/29_series/29.503/'

security

- oAuth2ClientCredentials:
- nudm-sdm

- {}

servers

URL: '{apiRoot}/nudm-sdm/v1'

Variables:

API Root:

Default: https://example.com

Description: apiRoot as defined in subclause subclause 4.4 of 3GPP TS 29.501.

paths

supi

get:

Summary: retrieve multiple data sets

Operation ID: Get

Tags:

- Retrieval of multiple data sets

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: dataset-names

In: query

style: form

explode: false

Description: List of dataset names

Required/Optional: true

Schema:

Reference: '#/components/schemas/DatasetNames'

- name: plmn-id

In: query

Description: serving PLMN ID

Content:

Application/JSON:

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SubscriptionDataSets'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:**Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:**Description:** Unexpected error

supi nssai

get:**Summary:** retrieve a UE's subscribed NSSAI**Operation ID:** Get**Tags:**

- Slice Selection Subscription Data Retrieval

Parameters:

- name: supi

In: path**Description:** Identifier of the UE**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Supi'

- name: supported-features

In: query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: plmn-id

In: query**Description:** serving PLMN ID

Content:**Application/JSON:****Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PlmnId'

- name: If-None-Match

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.2**Schema:****Type:** string

- name: If-Modified-Since

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.3**Schema:****Type:** string**Responses:**

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:****Reference:** '#/components/schemas/Nssai'**Headers:****Cache-Control:****Description:** Cache-Control containing max-age, as described in RFC 7234, 5.2**Schema:****Type:** string**ETag:****Description:** Entity Tag, containing a strong validator, as described in RFC 7232, 2.3**Schema:****Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi am data

get:

Summary: retrieve a UE's Access and Mobility Subscription Data

Operation ID: Get

Tags:

- Access and Mobility Subscription Data Retrieval

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: plmn-id

In: query

Description: serving PLMN ID

Content:

Application/JSON:

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:**Type:** string

- name: If-Modified-Since

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.3**Schema:****Type:** string**Responses:**

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:****Reference:** '#/components/schemas/AccessAndMobilitySubscriptionData'**Headers:****Cache-Control:****Description:** Cache-Control containing max-age, as described in RFC 7234, 5.2**Schema:****Type:** string**ETag:****Description:** Entity Tag, containing a strong validator, as described in RFC 7232, 2.3**Schema:****Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:**Description:** Unexpected error

supi smf select data

get:

Summary: retrieve a UE's SMF Selection Subscription Data

Operation ID: Get

Tags:

- SMF Selection Subscription Data Retrieval

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: plmn-id

In: query

Description: serving PLMN ID

Content:

Application/JSON:

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmfSelectionSubscriptionData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi ue context in smf data

get:

Summary: retrieve a UE's UE Context In SMF Data

Operation ID: Get

Tags:

- UE Context In SMF Data Retrieval

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextInSmfData'

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi ue context in smsf data

get:

Summary: retrieve a UE's UE Context In SMSF Data

Operation ID: Get

Tags:

- UE Context In SMSF Data Retrieval

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/UeContextInSmsfData'

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi trace data

get:

Summary: retrieve a UE's Trace Configuration Data

Operation ID: Get

Tags:

- Trace Configuration Data Retrieval

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: plmn-id

In: query

Description: serving PLMN ID

Content:

Application/JSON:

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TraceDataResponse'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi sm data

get:

Summary: retrieve a UE's Session Management Subscription Data

Operation ID: Get

Tags:

- Session Management Subscription Data Retrieval

Parameters:

- name: supi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: single-nssai

In: query

Content:**Application/JSON:****Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Snssai'

- name: dnn

In: query**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Dnn'

- name: plmn-id

In: query**Content:****Application/JSON:****Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PlmnId'

- name: If-None-Match

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.2**Schema:****Type:** string

- name: If-Modified-Since

In: header**Description:** Validator for conditional requests, as described in RFC 7232, 3.3**Schema:****Type:** string**Responses:**

'200' Expected response to a valid request

Content:**Application/JSON:****Schema:****Type:** array**items:****Reference:** '#/components/schemas/SessionManagementSubscriptionData'**minItems:** 1**Headers:**

Cache-Control:**Description:** Cache-Control containing max-age, as described in RFC 7234, 5.2**Schema:****Type:** string**ETag:****Description:** Entity Tag, containing a strong validator, as described in RFC 7232, 2.3**Schema:****Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string**'400':** Reference 'TS29571_CommonData.yaml#/components/responses/400'**'404':** Reference 'TS29571_CommonData.yaml#/components/responses/404'**'500':** Reference 'TS29571_CommonData.yaml#/components/responses/500'**'503':** Reference 'TS29571_CommonData.yaml#/components/responses/503'**default:****Description:** Unexpected error

supi sms data

get:**Summary:** retrieve a UE's SMS Subscription Data**Operation ID:** Get**Tags:**

- SMS Subscription Data Retrieval

Parameters:

- name: supi

In: path**Description:** Identifier of the UE**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Supi'

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: plmn-id

In: query

Content:

Application/JSON:

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsSubscriptionData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:**Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string**'400':** Reference 'TS29571_CommonData.yaml#/components/responses/400'**'404':** Reference 'TS29571_CommonData.yaml#/components/responses/404'**'500':** Reference 'TS29571_CommonData.yaml#/components/responses/500'**'503':** Reference 'TS29571_CommonData.yaml#/components/responses/503'**default:****Description:** Unexpected error

supi sms mng data

get:**Summary:** retrieve a UE's SMS Management Subscription Data**Operation ID:** Get**Tags:**

- SMS Management Subscription Data Retrieval

Parameters:

- name: supi

In: path**Description:** Identifier of the UE**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Supi'

- name: supported-features

In: query**Description:** Supported Features**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

- name: plmn-id

In: query**Content:****Application/JSON:****Schema:**

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SmsManagementSubscriptionData'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi sdm subscriptions

Method: Post

Summary: subscribe to notifications

Operation ID: Subscribe

Tags:

- Subscription Creation

Parameters:

- name: supi

In: path

Description: SUPI of the user

Required/Optional: true

Schema:

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

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Required/Optional: true

Responses:

'201' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudm-sdm/v1/{supi}/sdm-subscriptions/{subscriptionId}'

Required/Optional: true

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'501': Reference 'TS29571_CommonData.yaml#/components/responses/501'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

Callbacks:

datachangeNotification:

'{request.body#/callbackReference}':

Method: Post

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/ModificationNotification'

Responses:

'204' Successful Notification response

'307' Temporary Redirect

Content:

application/problem+json:

Schema:

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

'308' Permanent Redirect

Content:

application/problem+json:

Schema:

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

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

supi sdm subscriptions subscriptionId

delete:

Summary: unsubscribe from notifications

Operation ID: Unsubscribe

Tags:

- Subscription Deletion

Parameters:

- name: supi

In: path

Description: SUPI of the user

Required/Optional: true

Schema:

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

- name: subscriptionId

In: path

Description: Id of the SDM Subscription

Required/Optional: true

Schema:

Type: string

Responses:

'204': Successful response

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

gpsi id translation result

get:

Summary: retrieve a UE's SUPI

Operation ID: Get

Tags:

- GPSI to SUPI Translation

Parameters:

- name: gpsi

In: path

Description: Identifier of the UE

Required/Optional: true

Schema:

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

- name: supported-features

In: query

Description: Supported Features

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/IdTranslationResult'

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:**Description:** Entity Tag, containing a strong validator, as described in RFC 7232, 2.3**Schema:****Type:** string**Last-Modified:****Description:** Timestamp for last modification of the resource, as described in RFC 7232, 2.2**Schema:****Type:** string**'400':** Reference 'TS29571_CommonData.yaml#/components/responses/400'**'404':** Reference 'TS29571_CommonData.yaml#/components/responses/404'**'500':** Reference 'TS29571_CommonData.yaml#/components/responses/500'**'503':** Reference 'TS29571_CommonData.yaml#/components/responses/503'**default:****Description:** Unexpected error

supi am data sor ack

put:**Summary:** Nudm_Sdm Info service operation**Operation ID:** Info**Tags:**

- Providing acknowledgement of Steering of Roaming

Parameters:

- name: supi

In: path**Description:** Identifier of the UE**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Supi'**Request Body:****Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/AcknowledgeInfo'**Responses:**

'204' Successful acknowledgement

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

/shared-data

get:

Summary: retrieve shared data

Operation ID: GetSharedData

Tags:

- Retrieval of shared data

Parameters:

- name: shared-data-ids

In: query

Description: List of shared data ids

Required/Optional: true

style: form

explode: false

Schema:

Reference: '#/components/schemas/SharedDataIds'

- name: supportedFeatures

In: query

Description: Supported Features

Schema:

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

- name: If-None-Match

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.2

Schema:

Type: string

- name: If-Modified-Since

In: header

Description: Validator for conditional requests, as described in RFC 7232, 3.3

Schema:

Type: string

Responses:

'200' Expected response to a valid request

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/SharedData'

minItems: 1

Headers:

Cache-Control:

Description: Cache-Control containing max-age, as described in RFC 7234, 5.2

Schema:

Type: string

ETag:

Description: Entity Tag, containing a strong validator, as described in RFC 7232, 2.3

Schema:

Type: string

Last-Modified:

Description: Timestamp for last modification of the resource, as described in RFC 7232, 2.2

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:

Description: Unexpected error

/shared-data-subscriptions

Method: Post

Summary: subscribe to notifications for shared data

Operation ID: Subscribe to shared data

Tags:

- Subscription Creation for shared data

Request Body:

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Required/Optional: true

Responses:

'201' Expected response to a valid request

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/SdmSubscription'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure:
{apiRoot}/nudm-sdm/v1/shared-data-subscriptions/{subscriptionId}'

Required/Optional: true

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

default:

Description: Unexpected error

Callbacks:

datachangeNotification:

'{request.body#/callbackReference}':

Method: Post

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:**Reference:** '#/components/schemas/ModificationNotification'**Responses:**

'204' Successful Notification response

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:**Description:** Unexpected error

/shared-data-subscriptions/{subscriptionId}

delete:**Summary:** unsubscribe from notifications for shared data**Operation ID:** Unsubscribe for shared data**Tags:**

- Subscription Deletion for shared data

Parameters:

- name: subscriptionId

In: path**Description:** Id of the Shared data Subscription**Required/Optional:** true**Schema:****Type:** string**Responses:**

'204' Successful response

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'

'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'

'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'

default:**Description:** Unexpected error

components

securitySchemes

oAuth2ClientCredentials

Type: oauth2

Flows:

clientCredentials:

tokenUrl: '{nrfApiRoot}/oauth2/token'

scopes:

nudm-sdm: Access to the nudm-sdm API

schemas

COMPLEX TYPES:

DatasetNames

Type: array

Items:

Reference: '#/components/schemas/DataSetName'

minItems: 2

uniqueItems: true

SubscriptionDataSets

Type: object

Properties:

amData:

Reference: '#/components/schemas/AccessAndMobilitySubscriptionData'

smfSelData:

Reference: '#/components/schemas/SmfSelectionSubscriptionData'

uecSmfData:

Reference: '#/components/schemas/UeContextInSmfData'

uecSmsfData:

Reference: '#/components/schemas/UeContextInSmsfData'

smsSubsData:

Reference: '#/components/schemas/SmsSubscriptionData'

smData:

Type: array

Items:

Reference: '#/components/schemas/SessionManagementSubscriptionData'

minItems: 1

traceData:

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

smsMngData:

Reference: '#/components/schemas/SmsManagementSubscriptionData'

UeContextInSmsfData

Type: object

Properties:

smsfInfo3GppAccess:

Reference: '#/components/schemas/SmsfInfo'

smsfInfoNon3GppAccess:

Reference: '#/components/schemas/SmsfInfo'

SmsfInfo

Type: object

Required:

- smsfInstanceId

- plmnId

Properties:

smsfInstanceId:

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

plmnId:

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

AccessAndMobilitySubscriptionData

Type: object

Properties:

supportedFeatures:

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

gpsis:

Type: array

Items:

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

internalGroupIds:

Type: array

Items:

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

minItems: 1

subscribedUeAmbr:

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

nssai:

Reference: '#/components/schemas/Nssai'

ratRestrictions:

Type: array

Items:

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

forbiddenAreas:

Type: array

Items:

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

serviceAreaRestriction:

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

coreNetworkTypeRestrictions:

Type: array

Items:

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

rfsIndex:

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

subsRegTimer:

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

ueUsageType:

Reference: '#/components/schemas/UeUsageType'

mpsPriority:

Reference: '#/components/schemas/MpsPriorityIndicator'

mcsPriority:

Reference: '#/components/schemas/McsPriorityIndicator'

activeTime:

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

dIPacketCount:

Reference: '#/components/schemas/DIPacketCount'

sorInfo:

Reference: '#/components/schemas/SorInfo'

micoAllowed:

Reference: '#/components/schemas/MicoAllowed'

sharedAmDataIds:

Type: array

Items:

Reference: '#/components/schemas/SharedDataId'

minItems: 1

odbPacketServices:

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

SmfSelectionSubscriptionData

Type: object

Properties:

supportedFeatures:

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

subscribedSnssaiInfos:

Type: object

additionalProperties:

Reference: '#/components/schemas/SnssaiInfo'

sharedSnssaiInfosId:

Reference: '#/components/schemas/SharedDataId'

SnssaiInfo

Type: object

Required:

- dnnInfos

Properties:

dnnInfos:

Type: array

Items:

Reference: '#/components/schemas/DnnInfo'

minItems: 1

DnnInfo

Type: object

Required:

- dnn

Properties:

dnn:

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

defaultDnnIndicator:

Reference: '#/components/schemas/DnnIndicator'

lboRoamingAllowed:

Reference: '#/components/schemas/LboRoamingAllowed'

iwkEpsInd:

Reference: '#/components/schemas/IwkEpsInd'

ladnIndicator:

Reference: '#/components/schemas/LadnIndicator'

Nssai

Type: object

Required:

- defaultSingleNssais

Properties:

supportedFeatures:

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

defaultSingleNssais:

Type: array

Items:

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

minItems: 1

singleNssais:

Type: array

Items:

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

minItems: 1

nullable: true

UeContextInSmfData

Type: object

Properties:

pduSessions:

Description: A map (list of key-value pairs where PduSessionId serves as key) of PduSessions

Type: object

additionalProperties:

Reference: '#/components/schemas/PduSession'

pgwInfo:

Type: array

Items:

Reference: '#/components/schemas/PgwInfo'

minItems: 1

PduSession

Type: object

Required:

- dnn

- smfInstanceId

- plmnId

Properties:

dnn:

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

smfInstanceId:

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

plmnId:

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

PgwInfo

Type: object

Required:

- dnn
- pgwFqdn

Properties:**dnn:**

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

pgwFqdn:

Type: string

plmnId:

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

SessionManagementSubscriptionData

Type: object

Required:

- singleNssai

Properties:**singleNssai:**

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

dnnConfigurations:

Description: A map (list of key-value pairs where Dnn serves as key) of DnnConfigurations

Type: object

additionalProperties:

Reference: '#/components/schemas/DnnConfiguration'

internalGroupIds:

Type: array

Items:

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

minItems: 1

sharedDnnConfigurationsIds:

Reference: '#/components/schemas/SharedDataId'

DnnConfiguration

Type: object

Required:

- pduSessionTypes

- sscModes

Properties:

pduSessionTypes:

Reference: '#/components/schemas/PduSessionTypes'

sscModes:

Reference: '#/components/schemas/SscModes'

iwkEpsInd:

Reference: '#/components/schemas/IwkEpsInd'

ladnIndicator:

Reference: '#/components/schemas/LadnIndicator'

5gQosProfile:

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

sessionAmbr:

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

3gppChargingCharacteristics:

Reference: '#/components/schemas/3GppChargingCharacteristics'

staticIpAddress:

Type: array

Items:

Reference: '#/components/schemas/IpAddress'

minItems: 1

maxItems: 2

upSecurity:

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

IpAddress

Type: object

oneOf:

- required:

- ipv4Address

- required:

- ipv6Address

- required:

- ipv6Prefix

Properties:

ipv4Addr:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/Ipv4Addr'**ipv6Addr:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Ipv6Addr'**ipv6Prefix:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Ipv6Prefix'

PduSessionTypes

Type: object**Required:**

- defaultSessionType

Properties:**defaultSessionType:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PduSessionType'**allowedSessionTypes:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PduSessionType'**minItems:** 1

SscModes

Type: object**Required:**

- defaultSscMode

Properties:**defaultSscMode:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SscMode'**allowedSscModes:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SscMode'**minItems:** 1**maxItems:** 2

SmsSubscriptionData

Type: object

Properties:**smsSubscribed:****Reference:** '#/components/schemas/SmsSubscribed'**sharedSmsSubsDataId:****Reference:** '#/components/schemas/SharedDataIds'**SmsManagementSubscriptionData****Type:** object**Properties:****supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**mtSmsSubscribed:****Type:** boolean**mtSmsBarringAll:****Type:** boolean**mtSmsBarringRoaming:****Type:** boolean**moSmsSubscribed:****Type:** boolean**moSmsBarringAll:****Type:** boolean**moSmsBarringRoaming:****Type:** boolean**sharedSmsMngDataIds:****Type:** array**Items:****Reference:** '#/components/schemas/SharedDataId'**minItems:** 1**SdmSubscription****Type:** object**Required:**

- nfInstanceId

- callbackUri

- monitoredResourceUri

Properties:**nfInstanceId:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NfInstanceId'**implicitUnsubscribe:****Type:** boolean**expires:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**callbackReference:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**amfServiceName:****Reference:** 'TS29510_Nnrf_NFManagement.yaml#/components/schemas/ServiceName'**monitoredResourceUris:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**minItems:** 1**singleNssai:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Snssai'**dnn:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Dnn'**ModificationNotification****Type:** object**Required:**

- notifyItems

Properties:**notifyItems:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/NotifyItem'**minItems:** 1**IdTranslationResult****Type:** object**Required:**

- supi

Properties:

supportedFeatures:

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

supi:

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

gpsi:

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

AcknowledgeInfo

Type: object

Properties:

sorMacIue:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/SorMac'

securedPacket:

Reference: '#/components/schemas/SecuredPacket'

SorInfo

Type: object

Properties:

steeringContainer:

Reference: '#/components/schemas/SteeringContainer'

ackInd:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/AckInd'

sorMacIausf:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/SorMac'

countersor:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/CounterSor'

Required:

- ackInd

- sorMacIausf

- countersor

SharedDataIds

Type: array

Items:

Reference: '#/components/schemas/SharedDataId'

SharedData

Type: object

Required:

- sharedDataId

Properties:

sharedDataId:

Reference: '#/components/schemas/SharedDataId'

sharedAmData:

Reference: '#/components/schemas/AccessAndMobilitySubscriptionData'

sharedSmsSubsData:

Reference: '#/components/schemas/SmsSubscriptionData'

sharedSmsMngSubsData:

Reference: '#/components/schemas/SmsManagementSubscriptionData'

sharedDnnConfigurations:

Type: object

additionalProperties:

Reference: '#/components/schemas/DnnConfiguration'

sharedTraceData:

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

sharedSnssaiInfos:

Type: object

additionalProperties:

Reference: '#/components/schemas/SnssaiInfo'

sharedAuthenticationSubscription:

Reference: 'TS29505_Subscription_Data.yaml#/components/schemas/SharedAuthenticationSubscription'

TraceDataResponse

Type: object

Properties:

traceData:

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

sharedTraceDataId:

Reference: '#/components/schemas/SharedDataId'

SteeringContainer

oneOf:

- type: array

Items:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/SteeringInfo'

minItems: 1

- \$ref: '#/components/schemas/SecuredPacket'

SIMPLE TYPES:

UeUsageType

Type: integer

MpsPriorityIndicator

Type: boolean

McsPriorityIndicator

Type: boolean

DnnIndicator

Type: boolean

LboRoamingAllowed

Type: boolean

LadnIndicator

Type: boolean

SmsSubscribed

Type: boolean

3GppChargingCharacteristics

Type: string

DIPacketCount

Type: integer

Minimum: -1

MicoAllowed

Type: boolean

SharedDataId

Type: string

Pattern: '^[0-9]{5,6}-.+\$\$'

IwkEpsInd

Type: boolean

SecuredPacket

Type: string

format: base64

ENUMS:

DataSetName

anyOf:

- type: string

enum:

- AM

- SMF_SEL

- UEC_SMF

- UEC_SMSF

- SMS_SUB

- SM

- TRACE

- SMS_MNG

- type: string