**3GPP TSG-CT3 Meeting #127e *C3-231035***

**e-meeting, 17th April 2023 – 21st April 2023**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.519** | **CR** | **0400** | **rev** | **-** | **Current version:** | **18.1.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Support for A2X service parameters provisioning | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Nokia Shanghai Bell, Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | UAS\_Ph2 | | | | |  | ***Date:*** | | | 2023-04-07 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | As per SA2 agreed CR S2-2303301, which updated stage 2 TS 23.256 with: 4.2.1.2.3 AF-based service parameter provisioning for A2X communications As defined in TS 23.287 [X], the 5GS provides NEF services to enable communication between NFs in the PLMN and A2X Application Server. Figure 4.2.1.2.3-1 shows the high-level view of AF-based service parameter provisioning for A2X communications. The A2X Application Server may provide A2X service parameters to the PLMN via NEF. The NEF stores the A2X service parameters in the UDR. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Cl 3.2, 6.4.1, 6.4.2.15, 6.4.2.15A, A.3 are updated to support A2X service parameters provisioning. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Non compliant with stage-2 requirements. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.2, 6.4.1, 6.4.2.15, 6.4.2.15A, A.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR 29.504 CR 0210 | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | This introduces backward compatible feature to the Open API – Nudr\_DataRepository API for Application Data | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\* \* \* \* First change \* \* \* \*

## 3.2 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

A2X Aircraft-to-anything

AM Access and Mobility Management

ATSSS Access Traffic Steering, Switching, Splitting

BDT Background Data Transfer

DNAI DN Access Identifier

DNN Data Network Name

GPSI Generic Public Subscription Identifier

JSON JavaScript Object Notation

MA Multi Access

NEF Network Exposure Function

NR New Radio

NRF Network Repository Function

PCF Policy Control Function

PFD Packet Flow Description

PSA PDU Session Anchor

SFC Service Function Chaining

SM Session Management

S-NSSAI Single Network Slice Selection Assistance Information

SUPI Subscription Permanent Identifier

UDR Unified Data Repository

UPF User Plane Function

UPSI UE Policy Section Identifier

URSP UE Route Selection Policy

\* \* \* \* Next change \* \* \* \*

### 6.4.1 General

This clause specifies the application data model supported by the API.

Table 6.4.1-1 specifies the data types defined for the Nudr\_DataRepository Service API for Application Data service based interface protocol.

Table 6.4.1-1: Nudr\_DataRepository specific Data Types for Application Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Section defined | Description | Applicability |
| AmInfluData | 6.4.2.16 | Contains AM influence data. | DCAMP |
| AmInfluDataPatch | 6.4.2.17 | Contains AM influence data that can be updated. | DCAMP |
| ApplicationDataSubs | 6.4.2.10 | Contains application data subscription data. |  |
| ApplicationDataChangeNotif | 6.4.2.11 | Contains the new or updated application data or removed indication. |  |
| BdtPolicyData | 6.4.2.7 | Contains applied BDT policy data. | EnhancedBackgroundDataTransfer |
| BdtPolicyDataPatch | 6.4.2.8 | Contains modification instructions to be performed on the applied BDT policy data. | EnhancedBackgroundDataTransfer |
| DataInd | 6.4.3.3 | Indicates the type of data. |  |
| DataFilter | 6.4.2.12 | Indicates an application data filter. |  |
| IptvConfigData | 6.4.2.9 | Represents IPTV configuration data information. |  |
| PfdDataForAppExt | 6.4.2.6 | The PFDs and related data for the application |  |
| ServiceParameterData | 6.4.2.15 | Contains the service parameter data. |  |
| ServiceParameterDataPatch | 6.4.2.15A | Contains the service parameter data that can be updated. |  |
| TrafficInfluData | 6.4.2.2 | Contains traffic influence data. |  |
| TrafficInfluDataPatch | 6.4.2.3 | Contains modification instructions to be performed on the traffic influence data. |  |
| TrafficInfluDataNotif | 6.4.2.14 | Contains traffic influence data for notification. | EnhancedInfluDataNotification |
| TrafficInfluSub | 6.4.2.4 | Contains traffic influence subscription data. |  |

Table 6.4.1-2 specifies data types re-used by the Nudr\_DataRepository Service API for Application Data service based interface protocol from other specifications, including a reference to their respective specifications and when needed, a short description of their use within the Nudr\_DataRepository Service API for Application Data service based interface.

Table 6.4.1-2: Nudr\_DataRepository re-used Data Types for Application Data

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| AmInfluEvent | 3GPP TS 29.522 [19] | Identifies the type of AM related events of which the AF requests to be notified. |  |
| ApplicationId | 3GPP TS 29.571 [7] | Indicates an application identifier. |  |
| BdtReferenceId | 3GPP TS 29.122 [9] | Identifies a selected policy of background data transfer. | EnhancedBackgroundDataTransfer |
| DateTime | 3GPP TS 29.571 [7] | Indicates a date and time. |  |
| DateTimeRm | 3GPP TS 29.571 [7] | Indicates a date and time that can be updated. |  |
| DnaiChangeType | 3GPP TS 29.571 [7] | Describes the types of DNAI change. |  |
| Dnn | 3GPP TS 29.571 [7] | Identifies a Data Network Name. (NOTE 2) |  |
| DnnSnssaiInformation | 3GPP TS 29.522 [19] | Represents a DNN, S-NSSAI combination. | DCAMP |
| DurationSec | 3GPP TS 29.571 [7] | Represents a duration in seconds. | DCAMP |
| DurationSecRm | 3GPP TS 29.571 [7] | Represents a removable duration in seconds. | DCAMP |
| EasDeployInfoData | 3GPP TS 29.591 [23] | Represnts the EAS Deployment Information. | EasDeployment |
| EthFlowDescription | 3GPP TS 29.514 [16] | Contains the Ethernet data flow information.(NOTE) |  |
| Event | 3GPP TS 29.522 [19] | Contains the outcome of the UE Policy Delivery related to the invocation of AF provisioned service parameters. | DeliveryOutcome |
| FlowInfo | 3GPP TS 29.122 [9] | Contains the flow information. |  |
| GroupId | 3GPP TS 29.571 [7] | Identifies a group of users. | EasDeployment |
| IptvConfigDataPatch | 3GPP TS 29.522 [19] | Contains the IPTV configuration data used for PATCH. |  |
| Ipv4Addr | 3GPP TS 29.571 [7] | Identifies an IPv4 address. |  |
| Ipv6Addr | 3GPP TS 29.571 [7] | Identifies an IPv6 address. |  |
| MacAddr48 | 3GPP TS 29.571 [7] | MAC Address. |  |
| MulticastAccessControl | 3GPP TS 29.522 [19] | Represents the multicast access control information. |  |
| NetworkAreaInfo | 3GPP TS 29.554 [13] | Describes a network area information. |  |
| ParameterOverPc5 | 3GPP TS 29.522 [19] | Contains the V2X service parameters data provisioned over PC5. |  |
| ParameterOverUu | 3GPP TS 29.522 [19] | Contains the V2X service parameters data provisioned over Uu. |  |
| A2xParamsPc5 | 3GPP TS 29.522 [19] | Contains the A2X service parameters data provisioned over PC5. | A2X |
| ParamForProSeDd | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe direct discovery. | ProSe |
| ParamForProSeDc | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe direct communications. | ProSe |
| ParamForProSeU2NRelUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe UE-to-network relay UE. | ProSe |
| ParamForProSeRemUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe remote UE. | ProSe |
| PfdChangeNotification | 3GPP TS 29.551 [8] | Describes the PFD change. |  |
| PfdContent | 3GPP TS 29.551 [8] | Represents the content of a PFD for an application identifier. |  |
| RouteToLocation | 3GPP TS 29.571 [7] | Identifies the N6 traffic routing requirement. |  |
| ServiceAreaCoverageInfo | 3GPP TS 29.534 [22] | Contains service area coverage information. | DCAMP |
| Snssai | 3GPP TS 29.571 [7] | Identifies a Single Network Slice Selection Assistance Information. |  |
| SubscribedEvent | 3GPP TS 29.522 [19] | Identified the type of UP path management events of which the AF requests to be notified. |  |
| Supi | 3GPP TS 29.571 [7] | Identifies a SUPI that shall contain either an IMSI or an NAI. |  |
| SupportedFeatures | 3GPP TS 29.571 [7] | Used to negotiate the applicability of the optional features. |  |
| TemporalValidity | 3GPP TS 29.514 [16] | Indicates the time interval during which the AF request is to be applied. | MultiTemporalCondition |
| TrafficCorrelationInfo | 3GPP TS 29.522 [19] | Contains the information for traffic correlation. | CommonEASDNAI |
| Uinteger | 3GPP TS 29.571 [7] | Unsigned Integer, i.e. only value 0 and integers greater than 0 are allowed. |  |
| UintegerRm | 3GPP TS 29.571 [7] | This data type is defined in the same way as the "Uinteger" data type, but with the OpenAPI "nullable: true" property. |  |
| Uri | 3GPP TS 29.571 [7] | Identifies a URI. |  |
| UriRm | 3GPP TS 29.571 [7] | Identifies a removable URI. | DCAMP |
| UrspRuleRequest | 3GPP TS 29.522 [19] | Contains service parameter data used to guide the URSP. | AfGuideURSP |
| NOTE 1: In order to support a set of MAC addresses with a specific range in the traffic filter, feature MacAddressRange as specified in clause 6.1.8 of TS 29.504 [6] shall be supported.  NOTE 2: The UDR uses the DNN as received from the NF service consumer without applying any transformation. To successfully perform DNN matching, in a specific deployment a DNN shall always be encoded either with the full DNN (e.g., because there are multiple Operator Identifiers for a Network Identifier) or the DNN Network Identifier only. | | | |

\* \* \* \* Next changes \* \* \* \*

#### 6.4.2.15 Type ServiceParameterData

Table 6.4.2.15-1: Definition of type ServiceParameterData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| dnn | Dnn | O | 0..1 | Identifies a DNN. (NOTE 2) |  |
| snssai | Snssai | O | 0..1 | Identifies an S-NSSAI. (NOTE 2) |  |
| appId | string | O | 0..1 | Identifies an application identifier. (NOTE 2) |  |
| supi | Supi | O | 0..1 | Identifies a user. (NOTE1) |  |
| ueIpv4 | Ipv4Addr | O | 0..1 | The IPv4 address of the served UE. (NOTE1) |  |
| ueIpv6 | Ipv6Addr | O | 0..1 | The IPv6 address of the served UE. (NOTE1) |  |
| ueMac | MacAddr48 | O | 0..1 | The MAC address of the served UE. (NOTE1) |  |
| interGroupId | GroupId | O | 0..1 | Identifies a group of users. (NOTE1) |  |
| anyUeInd | boolean | O | 0..1 | Identifies whether the service parameters applies to any UE. This attribute shall set to "true" if applicable for any UE, otherwise, set to "false". (NOTE1) |  |
| paramOverPc5 | ParameterOverPc5 | O | 0..1 | Contains the V2X service parameters used over PC5 |  |
| paramOverUu | ParameterOverUu | O | 0..1 | Contains the V2X service parameters used over Uu |  |
| a2xParamsPc5 | A2xParamsPc5 | O | 0..1 | Contains the A2X service parameters used over PC5 | A2X |
| urspGuidance | array(UrspRuleRequest) | O | 1..N | Contains the service parameter used to guide the URSP. | AfGuideURSP |
| paramForProSeDd | ParamForProSeDd | O | 0..1 | Contains the service parameters for 5G ProSe direct discovery. | ProSe |
| paramForProSeDc | ParamForProSeDc | O | 0..1 | Contains the service parameters for 5G ProSe direct communications. | ProSe |
| paramForProSeU2NRelUe | ParamForProSeU2NRelUe | O | 0..1 | Contains the service parameters for 5G ProSe UE-to-network relay UE. | ProSe |
| paramForProSeRemUe | ParamForProSeRemUe | O | 0..1 | Contains the service parameters for 5G ProSe remote UE. | ProSe |
| deliveryEvents | array(Event) | O | 1..N | Contains the events related to the outcome of UE policy delivery. | DeliveryOutcome |
| policDelivNotifCorreId | string | C | 0..1 | Contains the Notification Correlation Id allocated by the NEF for the notification of UE Policy delivery outcome. It shall be included when the NEF requests the notification of UE Policy delivery outcome. | DeliveryOutcome |
| policDelivNotifUri | Uri | C | 0..1 | Contains the URI where the NEF receives the notification of UE Policy delivery outcome. It shall be included when the NEF requests the notification of UE policy delivery outcome. | DeliveryOutcome |
| headers | array(string) | O | 1..N | Headers provisioned by the NEF.  E.g. 3gpp-Sbi-Binding header (as specified in 3GPP TS 29.500 [4]) with the binding indication for the URI included in the policDelivNotifUri attribute.  The encoding of the header shall comply with clause 3.2 of IETF RFC 7230 [21] | DeliveryOutcome |
| suppFeat | SupportedFeatures | C | 0..1 | Indicates the list of Supported features used as described in clause 5.8.  This parameter shall be supplied in the PUT request that requested the creation of an individual Service parameter resource, and in the PUT response. |  |
| resUri | Uri | C | 0..1 | Represents the URI of Individual Service Parameter Data. It shall only be included in the HTTP GET response. |  |
| resetIds | array(string) | O | 1..N | This IE uniquely identifies a part of temporary data in UDR that contains the created resource.  This attribute may be provided in the response of successful resource creation. |  |
| NOTE 1: Only one of the "supi", "anyUeInd", "interGroupId", "ueIpv4", "ueIpv6" or "ueMac" attribute shall be provided.  NOTE 2: Only the combination of "dnn" and "snssai" or "appId" attribute shall be provided. | | | | | |

\* \* \* \* Next changes \* \* \* \*

#### 6.4.2.15A Type ServiceParameterDataPatch

Table 6.4.2.15A-1: Definition of type ServiceParameterDataPatch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| paramOverPc5 | ParameterOverPc5 | O | 0..1 | Contains the V2X service parameters used over PC5 |  |
| paramOverUu | ParameterOverUu | O | 0..1 | Contains the V2X service parameters used over Uu |  |
| a2xParamsPc5 | A2xParamsPc5 | O | 0..1 | Contains the A2X service parameters used over PC5 | A2X |
| urspInfluence | array(UrspRuleRequest) | O | 1..N | Contains the service parameter used to influence the URSP. | AfGuideURSP |
| paramForProSeDd | ParamForProSeDd | O | 0..1 | Contains the service parameters for 5G ProSe direct discovery. | ProSe |
| paramForProSeDc | ParamForProSeDc | O | 0..1 | Contains the service parameters for 5G ProSe direct communications. | ProSe |
| paramForProSeU2NRelUe | ParamForProSeU2NRelUe | O | 0..1 | Contains the service parameters for 5G ProSe UE-to-network relay UE. | ProSe |
| paramForProSeRemUe | ParamForProSeRemUe | O | 0..1 | Contains the service parameters for 5G ProSe remote UE. | ProSe |
| deliveryEvents | array(Event) | O | 1..N | Contains the events related to the outcome of UE policy delivery. | DeliveryOutcome |
| policDelivNotifUri | Uri | C | 0..1 | Contains the URI where the NEF receives the notification of UE Policy delivery outcome. It shall be included when the NEF requests the notification of UE policy delivery outcome. | DeliveryOutcome |
| headers | array(string) | O | 1..N | Headers provisioned by the NEF.  E.g. 3gpp-Sbi-Binding header (as specified in 3GPP TS 29.500 [4]) with the binding indication for the URI included in the policDelivNotifUri IE.  The encoding of the header shall comply with clause 3.2 of IETF RFC 7230 [21] | DeliveryOutcome |

\* \* \* \* Next changes \* \* \* \*

# A.3 Nudr\_DataRepository API for Application Data

For the purpose of referencing entities in the Open API file defined in this Annex, it shall be assumed that this Open API file is contained in a physical file named "TS29519\_Application\_Data.yaml".

openapi: 3.0.0

info:

version: '-'

title: Unified Data Repository Service API file for Application Data

description: |

The API version is defined in 3GPP TS 29.504

© 2023, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).

All rights reserved.

externalDocs:

description: >

3GPP TS 29.519 V18.1.0; 5G System; Usage of the Unified Data Repository Service for Policy Data,

Application Data and Structured Data for Exposure.

url: 'https://www.3gpp.org/ftp/Specs/archive/29\_series/29.519/'

paths:

/application-data/pfds:

get:

summary: Retrieve PFDs for application identifier(s)

operationId: ReadPFDData

tags:

- PFD Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:pfds:read

parameters:

- name: appId

in: query

description: >

Contains the information of the application identifier(s) for the querying PFD

Data resource. If none appId is included in the URI, it applies to all application

identifier(s) for the querying PFD Data resource.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/ApplicationId'

minItems: 1

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

responses:

'200':

description: A representation of PFDs for request applications is returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/PfdDataForAppExt'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/pfds/{appId}:

get:

summary: Retrieve the corresponding PFDs of the specified application identifier

operationId: ReadIndividualPFDData

tags:

- Individual PFD Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:pfds:read

parameters:

- name: appId

in: path

description: >

Indicate the application identifier for the request pfd(s). It shall apply the

format of Data type ApplicationId.

required: true

schema:

type: string

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

responses:

'200':

description: >

A representation of PFDs for the request application identified by the application

identifier is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/PfdDataForAppExt'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete the corresponding PFDs of the specified application identifier

operationId: DeleteIndividualPFDData

tags:

- Individual PFD Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:pfds:modify

parameters:

- name: appId

in: path

description: >

Indicate the application identifier for the request pfd(s). It shall apply the

format of Data type ApplicationId.

required: true

schema:

type: string

responses:

'204':

description: >

Successful case. The Individual PFD Data resource related to the application

identifier was deleted.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

put:

summary: Create or update the corresponding PFDs for the specified application identifier

operationId: CreateOrReplaceIndividualPFDData

tags:

- Individual PFD Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:pfds:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/PfdDataForAppExt'

parameters:

- name: appId

in: path

description: >

Indicate the application identifier for the request pfd(s). It shall apply the format

of Data type ApplicationId.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual PFD Data resource related to the application-identifier

is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/PfdDataForAppExt'

headers:

Location:

description: >

'Contains the URI of the newly created resource, according to the structure:

{apiRoot}/nudr-dr/<apiVersion>/application-data/pfds/{appId}'

required: true

schema:

type: string

'200':

description: >

Successful case. The upgrade of an Individual PFD Data resource related to the

application identifier is confirmed and a representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/PfdDataForAppExt'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData:

get:

summary: Retrieve Traffic Influence Data

operationId: ReadInfluenceData

tags:

- Influence Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:read

parameters:

- name: influence-Ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

minItems: 1

- name: internal-Group-Ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

- name: internal-group-ids-Add

in: query

description: Each element identifies an internal Group.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

- name: subscriber-categories

in: query

description: >

Each element identifies a subscriber category.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

- name: supp-feat

in: query

required: false

description: Supported Features

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

responses:

'200':

description: The Traffic Influence Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/TrafficInfluData'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData/{influenceId}:

put:

summary: Create or update an individual Influence Data resource

operationId: CreateOrReplaceIndividualInfluenceData

tags:

- Individual Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluData'

parameters:

- name: influenceId

in: path

description: >

The Identifier of an Individual Influence Data to be created or updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual Traffic Influence Data resource is confirmed

and a representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluData'

headers:

Location:

description: >

'Contains the URI of the newly created resource, according to the structure:

{apiRoot}/nudr-dr/<apiVersion>/application-data/influenceData/{influenceId}'

required: true

schema:

type: string

'200':

description: >

The update of an Individual Traffic Influence Data resource is confirmed and a

response body containing Traffic Influence Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual Influence Data resource

operationId: UpdateIndividualInfluenceData

tags:

- Individual Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: '#/components/schemas/TrafficInfluDataPatch'

parameters:

- name: influenceId

in: path

description: >

The Identifier of an Individual Influence Data to be updated. It shall apply

the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: >

The update of an Individual Traffic Influence Data resource is confirmed and

a response body containing Traffic Influence Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Influence Data resource

operationId: DeleteIndividualInfluenceData

tags:

- Individual Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:modify

parameters:

- name: influenceId

in: path

description: >

The Identifier of an Individual Influence Data to be deleted. It shall apply

the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Influence Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData/subs-to-notify:

post:

summary: Create a new Individual Influence Data Subscription resource

operationId: CreateIndividualInfluenceDataSubscription

tags:

- Influence Data Subscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:subscriptions:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluSub'

responses:

'201':

description: The subscription was created successfully.

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluSub'

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

callbacks:

trafficInfluenceDataChangeNotification:

'{$request.body#/notificationUri}':

post:

requestBody:

required: true

content:

application/json:

schema:

type: array

items:

oneOf:

- $ref: '#/components/schemas/TrafficInfluData'

- $ref: '#/components/schemas/TrafficInfluDataNotif'

minItems: 1

responses:

'204':

description: No Content, Notification was successful

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

get:

summary: Read Influence Data Subscriptions

operationId: ReadInfluenceDataSubscriptions

tags:

- Influence Data Subscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:subscriptions:read

parameters:

- name: dnn

in: query

description: Identifies a DNN.

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

- name: snssai

in: query

description: Identifies a slice.

required: false

content:

application/json:

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

- name: internal-Group-Id

in: query

description: Identifies a group of users.

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

- name: supi

in: query

description: Identifies a user.

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

- name: internal-group-ids

in: query

description: >

Each element identifies an internal group.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

- name: subscriber-categories

in: query

description: >

Each element identifies a subscriber category.

required: false

schema:

type: array

items:

type: string

minItems: 1

responses:

'200':

description: >

The subscription information as request in the request URI query parameter(s)

are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/TrafficInfluSub'

minItems: 0

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/influenceData/subs-to-notify/{subscriptionId}:

get:

summary: Get an existing individual Influence Data Subscription resource

operationId: ReadIndividualInfluenceDataSubscription

tags:

- Individual Influence Data Subscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:subscriptions:read

parameters:

- name: subscriptionId

in: path

description: >

String identifying a subscription to the Individual Influence Data Subscription

required: true

schema:

type: string

responses:

'200':

description: The subscription information is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluSub'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

put:

summary: Modify an existing individual Influence Data Subscription resource

operationId: ReplaceIndividualInfluenceDataSubscription

tags:

- Individual Influence Data Subscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:subscriptions:modify

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluSub'

parameters:

- name: subscriptionId

in: path

description: >

String identifying a subscription to the Individual Influence Data Subscription.

required: true

schema:

type: string

responses:

'200':

description: The subscription was updated successfully.

content:

application/json:

schema:

$ref: '#/components/schemas/TrafficInfluSub'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Influence Data Subscription resource

operationId: DeleteIndividualInfluenceDataSubscription

tags:

- Individual Influence Data Subscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:influence-data:subscriptions:modify

parameters:

- name: subscriptionId

in: path

description: >

String identifying a subscription to the Individual Influence Data Subscription.

required: true

schema:

type: string

responses:

'204':

description: The subscription was terminated successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/bdtPolicyData:

get:

summary: Retrieve applied BDT Policy Data

operationId: ReadBdtPolicyData

tags:

- BdtPolicy Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:bdt-policy-data:read

parameters:

- name: bdt-policy-ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: internal-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

responses:

'200':

description: The applied BDT policy Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/BdtPolicyData'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/bdtPolicyData/{bdtPolicyId}:

put:

summary: Create an individual applied BDT Policy Data resource

operationId: CreateIndividualAppliedBdtPolicyData

tags:

- Individual Applied BDT Policy Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:bdt-policy-data:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/BdtPolicyData'

parameters:

- name: bdtPolicyId

in: path

description: >

The Identifier of an Individual Applied BDT Policy Data to be created or updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual Applied BDT Policy Data resource is confirmed and a

representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/BdtPolicyData'

headers:

Location:

description: >

Contains the URI of the newly created resource, according to the structure:

{apiRoot}/nudr-dr/<apiVersion>/application-data/bdtPolicyData/{bdtPolicyId}

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual Applied BDT Policy Data resource

operationId: UpdateIndividualAppliedBdtPolicyData

tags:

- Individual Applied BDT Policy Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:bdt-policy-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: '#/components/schemas/BdtPolicyDataPatch'

parameters:

- name: bdtPolicyId

in: path

description: >

The Identifier of an Individual Applied BDT Policy Data to be updated. It shall

apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: >

The update of an Individual Applied BDT Policy Data resource is confirmed and

a response body containing Applied BDT Policy Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/BdtPolicyData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Applied BDT Policy Data resource

operationId: DeleteIndividualAppliedBdtPolicyData

tags:

- Individual Applied BDT Policy Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:bdt-policy-data:modify

parameters:

- name: bdtPolicyId

in: path

description: >

The Identifier of an Individual Applied BDT Policy Data to be deleted.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Applied BDT Policy Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/iptvConfigData:

get:

summary: Retrieve IPTV configuration Data

operationId: ReadIPTVCongifurationData

tags:

- IPTV Configuration Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:iptv-config-data:read

parameters:

- name: config-ids

in: query

description: Each element identifies a configuration.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

- name: inter-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

responses:

'200':

description: The IPTV configuration data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/IptvConfigData'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/iptvConfigData/{configurationId}:

put:

summary: Create or update an individual IPTV configuration resource

operationId: CreateOrReplaceIndividualIPTVConfigurationData

tags:

- Individual IPTV Configuration Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:iptv-config-data:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/IptvConfigData'

parameters:

- name: configurationId

in: path

description: >

The Identifier of an Individual IPTV Configuration Data to be created or updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual IPTV Configuration Data resource is confirmed and a

representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/IptvConfigData'

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'200':

description: The update of an Individual IPTV configuration resource.

content:

application/json:

schema:

$ref: '#/components/schemas/IptvConfigData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Partial update an individual IPTV configuration resource

operationId: PartialReplaceIndividualIPTVConfigurationData

tags:

- Individual IPTV Configuration Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:iptv-config-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: 'TS29522\_IPTVConfiguration.yaml#/components/schemas/IptvConfigDataPatch'

parameters:

- name: configurationId

in: path

description: >

The Identifier of an Individual IPTV Configuration Data to be updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: The update of an Individual IPTV configuration resource.

content:

application/json:

schema:

$ref: '#/components/schemas/IptvConfigData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual IPTV configuration resource

operationId: DeleteIndividualIPTVConfigurationData

tags:

- Individual IPTV Configuration Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:iptv-config-data:modify

parameters:

- name: configurationId

in: path

description: >

The Identifier of an Individual IPTV Configuration to be deleted. It shall

apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The resource was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/serviceParamData:

get:

summary: Retrieve Service Parameter Data

operationId: ReadServiceParameterData

tags:

- Service Parameter Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:service-param-data:read

parameters:

- name: service-param-ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

minItems: 1

- name: internal-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

- name: ue-ipv4s

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4Addr'

minItems: 1

- name: ue-ipv6s

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Addr'

minItems: 1

- name: ue-macs

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MacAddr48'

minItems: 1

- name: any-ue

in: query

description: Indicates whether the request is for any UE.

required: false

schema:

type: boolean

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

responses:

'200':

description: The Service Parameter Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/ServiceParameterData'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/serviceParamData/{serviceParamId}:

put:

summary: Create or update an individual Service Parameter Data resource

operationId: CreateOrReplaceServiceParameterData

tags:

- Individual Service Parameter Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:service-param-data:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/ServiceParameterData'

parameters:

- name: serviceParamId

in: path

description: >

The Identifier of an Individual Service Parameter Data to be created or updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual Service Parameter Data resource is confirmed

and a representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/ServiceParameterData'

headers:

Location:

description: >

'Contains the URI of the newly created resource, according to the structure:

{apiRoot}/nudr-dr/<apiVersion>/application-data/serviceParamData/{serviceParamId}'

required: true

schema:

type: string

'200':

description: >

The update of an Individual Service Parameter Data resource is confirmed and

a response body containing Service Parameter Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/ServiceParameterData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual Service Parameter Data resource

operationId: UpdateIndividualServiceParameterData

tags:

- Individual Service Parameter Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:service-parameter-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: '#/components/schemas/ServiceParameterDataPatch'

parameters:

- name: serviceParamId

in: path

description: >

The Identifier of an Individual Service Parameter Data to be updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: >

The update of an Individual Service Parameter Data resource is confirmed

and a response body containing Service Parameter Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/ServiceParameterData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual Service Parameter Data resource

operationId: DeleteIndividualServiceParameterData

tags:

- Individual Service Parameter Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:service-parameter-data:modify

parameters:

- name: serviceParamId

in: path

description: >

The Identifier of an Individual Service Parameter Data to be deleted.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Service Parameter Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/am-influence-data:

get:

summary: Retrieve AM Influence Data

operationId: ReadAmInfluenceData

tags:

- AM Influence Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:am-influence-data:read

parameters:

- name: am-influence-ids

in: query

description: Each element identifies a service.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: dnns

in: query

description: Each element identifies a DNN.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

minItems: 1

- name: snssais

in: query

description: Each element identifies a slice.

required: false

content:

application/json:

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

minItems: 1

- name: dnn-snssai-infos

in: query

description: Each element identifies a combination of (DNN, S-NSSAI).

required: false

content:

application/json:

schema:

type: array

items:

$ref: 'TS29522\_AMInfluence.yaml#/components/schemas/DnnSnssaiInformation'

minItems: 1

- name: internal-group-ids

in: query

description: Each element identifies a group of users.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

- name: supis

in: query

description: Each element identifies the user.

required: false

schema:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

- name: any-ue

in: query

description: Indicates whether the request is for any UE.

required: false

schema:

type: boolean

- name: supp-feat

in: query

required: false

description: Supported Features

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

responses:

'200':

description: The AM Influence Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/AmInfluData'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/am-influence-data/{amInfluenceId}:

put:

summary: Create or update an individual AM Influence Data resource

operationId: CreateOrReplaceIndividualAmInfluenceData

tags:

- Individual AM Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:am-influence-data:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/AmInfluData'

parameters:

- name: amInfluenceId

in: path

description: >

The Identifier of an Individual AM Influence Data to be created or updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual AM Influence Data resource is confirmed and

a representation of that resource is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/AmInfluData'

headers:

Location:

description: >

'Contains the URI of the newly created resource, according to the structure:

{apiRoot}/nudr-dr/<apiVersion>/application-data/am-influence-data/{amInfluenceId}'

required: true

schema:

type: string

'200':

description: >

The update of an Individual AM Influence Data resource is confirmed and a response

body containing AM Influence Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/AmInfluData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

patch:

summary: Modify part of the properties of an individual AM Influence Data resource

operationId: UpdateIndividualAmInfluenceData

tags:

- Individual AM Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:am-influence-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

$ref: '#/components/schemas/AmInfluDataPatch'

parameters:

- name: amInfluenceId

in: path

description: >

The Identifier of an Individual AM Influence Data to be updated. It shall

apply the format of Data type string.

required: true

schema:

type: string

responses:

'200':

description: >

The update of an Individual AM Influence Data resource is confirmed and a

response body containing AM Influence Data shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/AmInfluData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual AM Influence Data resource

operationId: DeleteIndividualAmInfluenceData

tags:

- Individual AM Influence Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:am-influence-data:modify

parameters:

- name: amInfluenceId

in: path

description: >

The Identifier of an Individual AM Influence Data to be deleted. It shall

apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual AM Influence Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/subs-to-notify:

post:

summary: Create a subscription to receive notification of application data changes

operationId: CreateIndividualApplicationDataSubscription

tags:

- ApplicationDataSubscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:subs-to-notify:create

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/ApplicationDataSubs'

responses:

'201':

description: >

Upon success, a response body containing a representation of each

Individual subscription resource shall be returned.

content:

application/json:

schema:

$ref: '#/components/schemas/ApplicationDataSubs'

headers:

Location:

description: 'Contains the URI of the newly created resource'

required: true

schema:

type: string

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

callbacks:

applicationDataChangeNotif:

'{$request.body#/notificationUri}':

post:

requestBody:

required: true

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/ApplicationDataChangeNotif'

minItems: 1

responses:

'204':

description: No Content, Notification was successful

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

get:

summary: Read Application Data change Subscriptions

operationId: ReadApplicationDataChangeSubscriptions

tags:

- ApplicationDataSubscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:subs-to-notify:read

parameters:

- name: data-filter

in: query

description: The data filter for the query.

required: false

content:

application/json:

schema:

$ref: '#/components/schemas/DataFilter'

responses:

'200':

description: >

The subscription information as request in the request URI query parameter(s)

are returned.

content:

application/json:

schema:

type: array

items:

$ref: '#/components/schemas/ApplicationDataSubs'

minItems: 0

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/subs-to-notify/{subsId}:

parameters:

- name: subsId

in: path

required: true

schema:

type: string

put:

summary: Modify a subscription to receive notification of application data changes

operationId: ReplaceIndividualApplicationDataSubscription

tags:

- IndividualApplicationDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:subs-to-notify:modify

requestBody:

required: true

content:

application/json:

schema:

$ref: '#/components/schemas/ApplicationDataSubs'

responses:

'200':

description: The individual subscription resource was updated successfully.

content:

application/json:

schema:

$ref: '#/components/schemas/ApplicationDataSubs'

'204':

description: >

The individual subscription resource was updated successfully and no

additional content is to be sent in the response message.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete the individual Application Data subscription

operationId: DeleteIndividualApplicationDataSubscription

tags:

- IndividualApplicationDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:subs-to-notify:modify

responses:

'204':

description: Upon success, an empty response body shall be returned.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

get:

summary: Get an existing individual Application Data Subscription resource

operationId: ReadIndividualApplicationDataSubscription

tags:

- IndividualApplicationDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:subs-to-notify:read

parameters:

- name: subsId

in: path

description: >

String identifying a subscription to the Individual Application Data Subscription

required: true

schema:

type: string

responses:

'200':

description: The subscription information is returned.

content:

application/json:

schema:

$ref: '#/components/schemas/ApplicationDataSubs'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/eas-deploy-data:

get:

summary: Retrieve EAS Deployment Information Data

operationId: ReadEasDeployData

tags:

- EAS Deployment Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:eas-deploy-data:read

parameters:

- name: dnn

in: query

description: Identifies a DNN.

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

- name: snssai

in: query

description: Identifies an S-NSSAI.

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

- name: internal-group-id

in: query

description: Identifies a group of users.

required: false

schema:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

- name: appId

in: query

description: Identifies an application.

required: false

schema:

type: string

responses:

'200':

description: The EAS Deployment Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

$ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

minItems: 1

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

/application-data/eas-deploy-data/{easDeployInfoId}:

get:

summary: Retrieve an individual EAS Deployment Data resource

operationId: ReadIndividualEasDeployData

tags:

- Individual EAS Deployment Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:eas-deploy-data:read

parameters:

- name: easDeployInfoId

description: >

String identifying an Individual EAS Deployment Information Data resource.

in: path

required: true

schema:

type: string

responses:

'200':

description: >

The EAS Deployment Data stored in the UDR for an Individual EAS Deployment

Information Data resource is returned.

content:

application/json:

schema:

$ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'406':

$ref: 'TS29571\_CommonData.yaml#/components/responses/406'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

put:

summary: Create or update an individual EAS Deployment Data resource

operationId: CreateOrReplaceIndividualEasDeployData

tags:

- Individual EAS Deployment Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:eas-deploy-data:create

requestBody:

required: true

content:

application/json:

schema:

$ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

parameters:

- name: easDeployInfoId

in: path

description: >

The Identifier of an Individual EAS Deployment Data to be created or updated.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual EAS Deployment Data resource is confirmed and a

representation of that resource is returned.

content:

application/json:

schema:

$ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

headers:

Location:

description: >

Contains the URI of the newly created resource, according to the structure:

{apiRoot}/nudr-dr/<apiVersion>/application-data/eas-deploy-data/{easDeployInfoId}

required: true

schema:

type: string

'200':

description: >

The update of an Individual EAS Deployment Data resource is confirmed and a response

body containing EAS Deployment Data shall be returned.

content:

application/json:

schema:

$ref: 'TS29591\_Nnef\_EASDeployment.yaml#/components/schemas/EasDeployInfoData'

'204':

description: No content

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'411':

$ref: 'TS29571\_CommonData.yaml#/components/responses/411'

'413':

$ref: 'TS29571\_CommonData.yaml#/components/responses/413'

'414':

$ref: 'TS29571\_CommonData.yaml#/components/responses/414'

'415':

$ref: 'TS29571\_CommonData.yaml#/components/responses/415'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'502':

$ref: 'TS29571\_CommonData.yaml#/components/responses/502'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

delete:

summary: Delete an individual EAS Deployment Data resource

operationId: DeleteIndividualEasDeployData

tags:

- Individual EasDeployment Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:eas-deploy-data:modify

parameters:

- name: easDeployInfoId

in: path

description: >

The Identifier of an Individual EAS Deployment Data to be updated. It shall apply the

format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual Influence Data was deleted successfully.

'400':

$ref: 'TS29571\_CommonData.yaml#/components/responses/400'

'401':

$ref: 'TS29571\_CommonData.yaml#/components/responses/401'

'403':

$ref: 'TS29571\_CommonData.yaml#/components/responses/403'

'404':

$ref: 'TS29571\_CommonData.yaml#/components/responses/404'

'429':

$ref: 'TS29571\_CommonData.yaml#/components/responses/429'

'500':

$ref: 'TS29571\_CommonData.yaml#/components/responses/500'

'503':

$ref: 'TS29571\_CommonData.yaml#/components/responses/503'

default:

$ref: 'TS29571\_CommonData.yaml#/components/responses/default'

components:

schemas:

TrafficInfluData:

description: Represents the Traffic Influence Data.

type: object

properties:

upPathChgNotifCorreId:

type: string

description: >

Contains the Notification Correlation Id allocated by the NEF for the UP

path change notification.

appReloInd:

type: boolean

description: >

Identifies whether an application can be relocated once a location of the

application has been selected.

afAppId:

type: string

description: Identifies an application.

dnn:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

ethTrafficFilters:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'

minItems: 1

description: >

Identifies Ethernet packet filters. Either "trafficFilters" or

"ethTrafficFilters" shall be included if applicable.

snssai:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

interGroupId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

interGroupIdList:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 2

description: >

Identifies a list of Internal Groups.

subscriberCatList:

type: array

items:

type: string

minItems: 1

description: >

Identifies a list of Subscriber Category(s).

supi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

trafficFilters:

type: array

items:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/FlowInfo'

minItems: 1

description: >

Identifies IP packet filters. Either "trafficFilters" or "ethTrafficFilters"

shall be included if applicable.

trafficRoutes:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/RouteToLocation'

minItems: 1

description: Identifies the N6 traffic routing requirement.

sfcIdDl:

type: string

description: Reference to a pre-configured service function chain policy for DL traffic

sfcIdUl:

type: string

description: Reference to a pre-configured service function chain policy for UL traffic

metadata:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Metadata'

traffCorreInd:

type: boolean

tfcCorreInfo:

$ref: 'TS29522\_TrafficInfluence.yaml#/components/schemas/TrafficCorrelationInfo'

validStartTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

validEndTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

tempValidities:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TemporalValidity'

minItems: 1

description: Identifies the temporal validities for the N6 traffic routing requirement.

nwAreaInfo:

$ref: 'TS29554\_Npcf\_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

upPathChgNotifUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

headers:

type: array

items:

type: string

minItems: 1

subscribedEvents:

type: array

items:

$ref: 'TS29522\_TrafficInfluence.yaml#/components/schemas/SubscribedEvent'

minItems: 1

dnaiChgType:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DnaiChangeType'

afAckInd:

type: boolean

addrPreserInd:

type: boolean

maxAllowedUpLat:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uinteger'

simConnInd:

type: boolean

description: >

Indicates whether simultaneous connectivity should be temporarily

maintained for the source and target PSA.

simConnTerm:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSec'

supportedFeatures:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

resetIds:

type: array

items:

type: string

minItems: 1

nscSuppFeats:

type: object

additionalProperties:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

minProperties: 1

description: >

Identifies a list of Network Function Service Consumer supported per service. The key

used in this map for each entry is the ServiceName value as defined in

3GPP TS 29.510[24].

allOf:

- oneOf:

- required: [afAppId]

- required: [trafficFilters]

- required: [ethTrafficFilters]

- oneOf:

- required: [supi]

- required: [interGroupId]

- required: [interGroupIdList]

not:

required: [interGroupId, interGroupIdList]

TrafficInfluDataPatch:

description: Represents the Traffic Influence Data to be updated in the UDR.

type: object

properties:

upPathChgNotifCorreId:

type: string

description: >

Contains the Notification Correlation Id allocated by the NEF for the

UP path change notification.

appReloInd:

type: boolean

description: >

Identifies whether an application can be relocated once a location of the application

has been selected.

ethTrafficFilters:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'

minItems: 1

description: >

Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters"

shall be included if applicable.

trafficFilters:

type: array

items:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/FlowInfo'

minItems: 1

description: >

Identifies IP packet filters. Either "trafficFilters" or "ethTrafficFilters"

shall be included if applicable.

trafficRoutes:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/RouteToLocation'

minItems: 1

description: Identifies the N6 traffic routing requirement.

sfcIdDl:

type: string

description: Reference to a pre-configured service function chain policy for DL traffic

nullable: true

sfcIdUl:

type: string

description: Reference to a pre-configured service function chain policy for UL traffic

nullable: true

metadata:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Metadata'

traffCorreInd:

type: boolean

tfcCorreInfo:

$ref: 'TS29522\_TrafficInfluence.yaml#/components/schemas/TrafficCorrelationInfo'

validStartTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

validEndTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

tempValidities:

type: array

items:

$ref: 'TS29514\_Npcf\_PolicyAuthorization.yaml#/components/schemas/TemporalValidity'

minItems: 1

nullable: true

description: Identifies the temporal validities for the N6 traffic routing requirement.

nwAreaInfo:

$ref: 'TS29554\_Npcf\_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

upPathChgNotifUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

headers:

type: array

items:

type: string

minItems: 1

afAckInd:

type: boolean

addrPreserInd:

type: boolean

maxAllowedUpLat:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/UintegerRm'

simConnInd:

type: boolean

description: >

Indicates whether simultaneous connectivity should be temporarily maintained

for the source and target PSA.

simConnTerm:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSecRm'

TrafficInfluSub:

description: Represents traffic influence subscription data.

type: object

properties:

dnns:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

minItems: 1

description: Each element identifies a DNN.

snssais:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

minItems: 1

description: Each element identifies a slice.

internalGroupIds:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

description: Each element identifies a group of users.

internalGroupIdsAdd:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

description: >

Each element identifies an internal group.

subscriberCatList:

type: array

items:

type: string

minItems: 1

description: >

Each element identifies a subscriber category.

supis:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

description: Each element identifies the user.

notificationUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

expiry:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

supportedFeatures:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resetIds:

type: array

items:

type: string

minItems: 1

immRep:

type: boolean

description: >

If provided and set to true, it indicates that existing entries that

match this subscription shall be immediately reported in the response.

immReports:

type: array

items:

$ref: '#/components/schemas/TrafficInfluDataNotif'

minItems: 1

description: Immediate report with existing UDR entries.

required:

- notificationUri

oneOf:

- required: [dnns]

- required: [snssais]

- required: [internalGroupIds]

- required: [internalGroupIds]

- required: [internalGroupIdsAdd]

- required: [supis]

not:

required: [internalGroupIds, internalGroupIdsAdd]

TrafficInfluDataNotif:

description: Represents traffic influence data for notification.

type: object

properties:

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

trafficInfluData:

$ref: '#/components/schemas/TrafficInfluData'

required:

- resUri

PfdDataForAppExt:

description: Represents the PFDs and related data for the application.

type: object

properties:

applicationId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/ApplicationId'

pfds:

type: array

items:

$ref: 'TS29551\_Nnef\_PFDmanagement.yaml#/components/schemas/PfdContent'

minItems: 1

cachingTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

suppFeat:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resetIds:

type: array

items:

type: string

minItems: 1

allowedDelay:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSec'

required:

- applicationId

- pfds

BdtPolicyData:

description: Represents applied BDT policy data.

type: object

properties:

interGroupId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

supi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

bdtRefId:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/BdtReferenceId'

dnn:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

snssai:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

resetIds:

type: array

items:

type: string

minItems: 1

required:

- bdtRefId

BdtPolicyDataPatch:

description: >

Represents modification instructions to be performed on the applied BDT policy data.

type: object

properties:

bdtRefId:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/BdtReferenceId'

required:

- bdtRefId

IptvConfigData:

description: Represents IPTV configuration data information.

type: object

properties:

supi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

interGroupId:

description: Identifies a group of users.

dnn:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

snssai:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

afAppId:

type: string

multiAccCtrls:

type: object

additionalProperties:

$ref: 'TS29522\_IPTVConfiguration.yaml#/components/schemas/MulticastAccessControl'

minProperties: 1

description: >

Identifies a list of multicast address access control information. Any string

value can be used as a key of the map.

suppFeat:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

resetIds:

type: array

items:

type: string

minItems: 1

required:

- afAppId

- multiAccCtrls

oneOf:

- required: [interGroupId]

- required: [supi]

ServiceParameterData:

description: Represents the service parameter data.

type: object

properties:

appId:

type: string

description: Identifies an application.

dnn:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

snssai:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

interGroupId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

supi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

ueIpv4:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Ipv4Addr'

ueIpv6:

$ref: 'TS29122\_CommonData.yaml#/components/schemas/Ipv6Addr'

ueMac:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MacAddr48'

anyUeInd:

type: boolean

paramOverPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverPc5'

paramOverUu:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverUu'

a2xParamsPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/A2xParamsPc5'

paramForProSeDd:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeDd'

paramForProSeDc:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeDc'

paramForProSeU2NRelUe:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2NRelUe'

paramForProSeRemUe:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeRemUe'

urspGuidance:

type: array

items:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/UrspRuleRequest'

minItems: 1

description: Contains the service parameter used to guide the URSP.

deliveryEvents:

type: array

items:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/Event'

minItems: 1

description: Contains the outcome of the UE Policy Delivery.

policDelivNotifCorreId:

type: string

description: >

Contains the Notification Correlation Id allocated by the NEF for the notification

of UE Policy delivery outcome.

policDelivNotifUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

suppFeat:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

headers:

type: array

items:

type: string

minItems: 1

resetIds:

type: array

items:

type: string

minItems: 1

ServiceParameterDataPatch:

description: Represents the service parameter data that can be updated.

type: object

properties:

paramOverPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverPc5'

paramOverUu:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverUu'

a2xParamsPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/A2xParamsPc5'

paramForProSeDd:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeDd'

paramForProSeDc:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeDc'

paramForProSeU2NRelUe:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2NRelUe'

paramForProSeRemUe:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeRemUe'

urspInfluence:

type: array

items:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/UrspRuleRequest'

minItems: 1

description: Contains the service parameter used to influence the URSP.

deliveryEvents:

type: array

items:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/Event'

minItems: 1

description: Contains the outcome of the UE Policy Delivery.

policDelivNotifUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

AmInfluData:

description: Represents the AM Influence Data.

type: object

properties:

appIds:

type: array

items:

type: string

minItems: 1

description: Identifies one or more applications.

dnnSnssaiInfos:

type: array

items:

$ref: 'TS29522\_AMInfluence.yaml#/components/schemas/DnnSnssaiInformation'

minItems: 1

description: Identifies one or more DNN, S-NSSAI combinations.

interGroupId:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

supi:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

anyUeInd:

type: boolean

description: Indicates whether the data is applicable for any UE.

policyDuration:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSec'

evSubs:

type: array

items:

$ref: 'TS29522\_AMInfluence.yaml#/components/schemas/AmInfluEvent'

minItems: 1

description: List of AM related events for which a subscription is required.

notifUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

notifCorrId:

type: string

description: Notification correlation identifier.

headers:

type: array

description: Contains the headers provisioned by the NEF.

items:

type: string

minItems: 1

thruReq:

type: boolean

description: Indicates whether high throughput is desired for the indicated UE traffic.

covReq:

type: array

items:

$ref: 'TS29534\_Npcf\_AMPolicyAuthorization.yaml#/components/schemas/ServiceAreaCoverageInfo'

minItems: 1

description: Indicates the service area coverage requirement.

supportedFeatures:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

resetIds:

type: array

items:

type: string

minItems: 1

allOf:

- anyOf:

- required: [thruReq]

- required: [covReq]

- oneOf:

- required: [supi]

- required: [interGroupId]

- required: [anyUeInd]

AmInfluDataPatch:

description: Represents the AM Influence Data that can be updated.

type: object

properties:

appIds:

type: array

items:

type: string

minItems: 1

description: Identifies one or more applications.

nullable: true

dnnSnssaiInfos:

type: array

items:

$ref: 'TS29522\_AMInfluence.yaml#/components/schemas/DnnSnssaiInformation'

minItems: 1

description: Identifies one or more DNN, S-NSSAI combinations.

nullable: true

evSubs:

type: array

items:

$ref: 'TS29522\_AMInfluence.yaml#/components/schemas/AmInfluEvent'

minItems: 1

description: List of AM related events for which a subscription is required.

nullable: true

headers:

type: array

description: Contains the headers provisioned by the NEF.

items:

type: string

minItems: 1

thruReq:

type: boolean

description: Indicates whether high throughput is desired for the indicated UE traffic.

nullable: true

notifUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/UriRm'

notifCorrId:

type: string

description: Notification correlation identifier.

nullable: true

covReq:

type: array

items:

$ref: 'TS29534\_Npcf\_AMPolicyAuthorization.yaml#/components/schemas/ServiceAreaCoverageInfo'

minItems: 1

description: Indicates the service area coverage requirement.

nullable: true

ApplicationDataSubs:

description: Identifies a subscription to application data change notification.

type: object

properties:

notificationUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

dataFilters:

type: array

items:

$ref: '#/components/schemas/DataFilter'

minItems: 1

expiry:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

immRep:

type: boolean

description: Immediate reporting indication.

amInfluEntries:

type: array

items:

$ref: '#/components/schemas/AmInfluData'

minItems: 1

description: The AM Influence Data entries stored in the UDR that match a subscription.

supportedFeatures:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

resetIds:

type: array

items:

type: string

minItems: 1

immReports:

type: array

items:

$ref: '#/components/schemas/ApplicationDataChangeNotif'

minItems: 1

description: Immediate report with existing UDR entries.

required:

- notificationUri

ApplicationDataChangeNotif:

description: Contains changed application data for which notification was requested.

type: object

properties:

iptvConfigData:

$ref: '#/components/schemas/IptvConfigData'

pfdData:

$ref: 'TS29551\_Nnef\_PFDmanagement.yaml#/components/schemas/PfdChangeNotification'

bdtPolicyData:

$ref: '#/components/schemas/BdtPolicyData'

resUri:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Uri'

serParamData:

$ref: '#/components/schemas/ServiceParameterData'

amInfluData:

$ref: '#/components/schemas/AmInfluData'

required:

- resUri

DataFilter:

description: Identifies a data filter.

type: object

properties:

dataInd:

$ref: '#/components/schemas/DataInd'

dnns:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Dnn'

minItems: 1

snssais:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Snssai'

minItems: 1

internalGroupIds:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/GroupId'

minItems: 1

supis:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Supi'

minItems: 1

appIds:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/ApplicationId'

minItems: 1

ueIpv4s:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4Addr'

minItems: 1

ueIpv6s:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6Addr'

minItems: 1

ueMacs:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/MacAddr48'

minItems: 1

anyUeInd:

type: boolean

description: Indicates the request is for any UE.

dnnSnssaiInfos:

description: >

Indicates the request is for any DNN and S-NSSAI combination present in the array.

type: array

items:

$ref: 'TS29522\_AMInfluence.yaml#/components/schemas/DnnSnssaiInformation'

minItems: 1

required:

- dataInd

DataInd:

anyOf:

- type: string

enum:

- PFD

- IPTV

- BDT

- SVC\_PARAM

- AM

- 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: |

Indicates the type of data.

Possible values are

- PFD: PFD data.

- IPTV: IPTV configuration data.

- BDT: BDT data.

- SVC\_PARAM: Service parameter data.

- AM: AM influence data.

\* \* \* \* End of changes \* \* \* \*