**3GPP TSG- Meeting #C3-242xxx**

**Changsha, China, – was C3-242341**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0508** | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | Various GMEC related corrections | | | | | | | | |
|  |  | | | | | | | | |
| ***Source to WG:*** | Huawei, Ericsson | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | |
|  |  | | | | | | | | |
| ***Work item code:*** | GMEC | | | | |  | ***Date:*** | | 2024-04-18 |
|  |  | | | |  | |  | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | |  |
|  | *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:*** | | | The following issues have been identified:   * Some of the GMEC related provisions need further clarifications and corrections to avoid confusion. * The AfRequestedQosData data type is incorrectly written as AfRequestedQo**S**Data in some occurrences in the TS. * The "af-qos-data-sets" resource name is incorrectly written as "af-qos-datasets" in some occurrences in the TS. * The "AfRequestedQosData" resource name variable is incorrectly written as "afReqQo**S**Id" in some occurrences in the TS. * The definition of the AfRequestedQosData data type in the OpenAPI description needs to be corrected to remove the attributes that were moved to the QosRequirements data type. | | | | | | |
|  | | |  | | | | | | |
| ***Summary of change:*** | | | This CR proposes to:   * Address the above-mentioned issues. * Apply additional editorial corrections. | | | | | | |
|  | | |  | | | | | | |
| ***Consequences if not approved:*** | | | * The provisions related to the GMEC functionality continue to contain incorrect provisions and provisions that may generate confusion and are misaligned with the other specifications defining this functionality. | | | | | | |
|  | |  | | | | | | | |
| ***Clauses affected:*** | | 5.2.19.1, 5.2.19.2, 5.2.19.3.1, 5.2.19.3.2, 5.4.2.11, 5.4.2.35, 5.4.2.36, 6.2.2, 6.2.21.1, 6.2.21.2, 6.2.21.3.1, 6.2.22.2, 6.2.22.3.1, 6.2.22.3.2, 6.2.22.3.3, 6.4.1, 6.4.2.11, 6.4.2.18, 6.4.2.19, 6.4.2.24, 6.4.3.3, A.2, A.3 | | | | | | | |
|  | |  | | | | | | | |
|  | | **Y** | | **N** |  | | |  | |
| ***Other specs*** | |  | | **X** | Other core specifications | | | TS/TR ... CR ... | |
| ***affected:*** | |  | | **X** | Test specifications | | | TS/TR ... CR ... | |
| ***(show related CRs)*** | |  | | **X** | O&M Specifications | | | TS/TR ... CR ... | |
|  | |  | | | | | | | |
| ***Other comments:*** | | This CR introduces backwards compatible corrections to the OpenAPI descriptions of the Nudr\_DataRepository API for Policy Data and Nudr\_DataRepository API for Application Data defined in this specification. | | | | | | | |
|  | |  | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | |

\* \* \* \* Start of changes \* \* \* \*

#### 5.2.19.1 Description

The resource represents the group specific policy control data for a 5G VN group stored at the UDR.

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

#### 5.2.19.2 Resource definition

Resource URI: **{apiRoot}/nudr-dr/<apiVersion>/policy-data/group-control-data/{intGroupId}**

This resource shall support the resource URI variables defined in table 5.2.19.2-1.

Table 5.2.19.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 6.1.1 of 3GPP TS 29.504 [6]. |
| intGroupId | GroupId | Identifies a 5G VN group as defined in clause 5.3.2 of 3GPP TS 29.571 [7]. |

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

##### 5.2.19.3.1 GET

This method shall support the URI query parameters specified in table 5.2.19.3.1-1.

Table 5.2.19.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| supp-feat | SupportedFeatures | O | 0..1 | Contains the features supported by the NF service consumer.  This query parameter shall be present when feature negotiation needs ti take place. |

This method shall support the request data structures specified in table 5.2.19.3.1-2 and the response data structures and response codes specified in table 5.2.19.3.1-3.

Table 5.2.19.3.1-2: Data structures supported by the GET Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| n/a |  |  |  |

Table 5.2.19.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| GroupPolicyData | M | 1 | 200 OK | Successful case. The requested group specific policy control data for the targeted 5G VN group shall be returned. |
| NOTE: The mandatory HTTP error status codes for the HTTP GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. | | | | |

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

##### 5.2.19.3.2 PATCH

This method shall support the URI query parameters specified in table 5.2.19.3.2-1.

Table 5.2.19.3.2-1: URI query parameters supported by the PATCH method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
|  |  |  |  |  |

This method shall support the request data structures specified in table 5.2.19.3.2-2 and the response data structures and response codes specified in table 5.2.19.3.2-3.

Table 5.2.19.3.2-2: Data structures supported by the PATCH Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| GroupPolicyDataPatch | M | 1 | Modify a group specific policy control data resource for a 5G VN group. |

Table 5.2.19.3.2-3: Data structures supported by the PATCH Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response codes | Description |
| GroupPolicyData | M | 1 | 200 OK | Successful case. The resource is successfully modified and a representation of the updated resource (i.e., updated group specific policy control data) is returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The resource is successfully modified and no content is returned in the response body. |
| NOTE: The mandatory HTTP error status codes for the HTTP PATCH method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. | | | | |

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

#### 5.4.2.11 Type PolicyDataChangeNotification

Table 5.4.2.11-1: Definition of type PolicyDataChangeNotification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| amPolicyData | AmPolicyData | O | 0..1 | Access and Mobility Policy Data, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| uePolicySet | UePolicySet | O | 0..1 | UE Policy Set, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| plmnUePolicySet | UePolicySet | O | 0..1 | PLMN UE Policy Set, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| smPolicyData | SmPolicyData | O | 0..1 | Session Management Policy Data, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| usageMonData | UsageMonData | O | 0..1 | Usage Monitoring Data, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| SponsorConnectivityData  (NOTE 4) | SponsorConnectivityData | O | 0..1 | Sponsor data connectivity profile information, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| bdtData | BdtData | O | 0..1 | Background Data Transfer Data, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| opSpecData | OperatorSpecificDataContainer | O | 0..1 | Operator Specific Data, if changed and notification was requested, or if it existed and immediate reporting was requested. It may only be used when the receiver of the notification is able to univocally identify the changed operator specific data.  (NOTE 3) |  |
| opSpecDataMap | map(OperatorSpecificDataContainer) | O | 1..N | Operator Specific Data resource data, if changed and notification was requested, or if it existed and immediate reporting was requested.  The key of the map is operator specific data element name and the value is the operator specific data of the UE. | OpSpecDataMapNotification |
| ueId | VarUeId | C | 0..1 | Represents the UE subscription identifier SUPI or GPSI. It shall only be present when the "amPolicyData", "uePolicySet", "smPolicyData", "opSpecData" and/or "usageMonData" attribute is present. |  |
| sponsorId | string | C | 0..1 | Represents the sponsor identity. It shall only be present when the "sponsorConnectivityData" attribute is present. |  |
| bdtRefId | BdtReferenceId | C | 0..1 | Represents the BDT reference identifier. It shall only be present when the "bdtData" attribute is present. |  |
| usageMonId | string | C | 0..1 | Represents the unique identifier of the individual SM Policy usage monitoring resource. It shall only be present when the "usageMonData" attribute is present. |  |
| plmnId | PlmnId | C | 0..1 | Represents the PLMN identifier. It shall only be present when the "plmnUePolicySet" attribute is present. |  |
| delResources | array(Uri) | O | 1..N | The resources, as defined in table 5.2.2-1, if removed from UDR and notification on resource data change was requested. Not applicable for immediate reports. (NOTE 2) | ResourceRemovalNotificationPolicyData |
| notifId | string | C | 0..1 | Notification Correlation ID assigned by the NF service consumer.  (NOTE 5) | ConditionalSubscriptionwithPartialNotification |
| reportedFragments | array(NotificationItem) | C | 1..N | This attribute contains the resource fragments indicated in the "monResItems" attribute of the PolicyDataSubscription data type.  (NOTE 5) | ConditionalSubscriptionwithPartialNotification |
| slicePolicyData | SlicePolicyData | O | 0..1 | Network slice specific policy control data for an S-NSSAI, if changed and notification was requested, or if it existed and immediate reporting was requested. |  |
| snssai | Snssai | C | 0..1 | Represents the S-NSSAI identifier, the unique identifier of the SlicePolicyControlData resource. It shall only be present when the "slicePolicyData" attribute is present. |  |
| pdtqData | PdtqData | O | 0..1 | Planned Data Transfer with QoS requirements Data, if changed and notification was requested, or if it existed and immediate reporting was requested. | PDTQ |
| pdtqRefId | pdtqReferenceId | C | 0..1 | Represents the PDTQ reference identifier. It shall only be present when the "pdtqData" attribute is present. | PDTQ |
| groupPolicyData | GroupPolicyData | O | 0..1 | Contains group specific policy control data for a 5G VN group, if changed and notifications were requested, or if it existed and immediate reporting was requested. | GMEC |
| intGroupId | GroupId | C | 0..1 | Represents the identifier for the 5G VN group, and the unique identifier of the corresponding GroupPolicyControlData resource.  It shall be present only when the "groupPolicyData" attribute is present. | GMEC |
| NOTE 1: When the "ResourceRemovalNotificationPolicyData" feature and/or "ConditionalSubscriptionwithPartialNotification" feature is not supported or supported but the applicable attribute(s) are not provided, at least one of the "amPolicyData", "uePolicySet", "smPolicyData", "usageMonData", "SponsorConnectivityData", "bdtData", "opSpecData", "plmnUePolicySet" or "slicePolicyData" or "groupPolicyData" shall be present.  NOTE 2: When the "ResourceRemovalNotificationPolicyData" feature is supported, and the "delResources" attribute is present, the attributes that correspond with the values included in the "delResources" attribute shall be omitted. E.g., when the "delResources" attribute includes the value "../policy-data/ues/{ueId}/am-data" the attribute "amPolicyData" shall be omitted.  NOTE 3: This attribute should not be used if the receiver of the notification is not able to univocally identify the changed operator specific data, and "opSpecDataMap" should be used instead.  NOTE 4: The attribute does not follow the related naming convention (i.e. "lowerCamel") defined in clause 5.1.4 of 3GPP TS 29.501 [7]. This attribute is however kept as currently defined in this specification for backward compatibility considerations.  NOTE 5: When the "ConditionalSubscriptionwithPartialNotification" feature is supported, the "notifId" and "reportedFragments" attributes shall be included in notification requests when a data change occurred in the resource fragments indicated in the "monResItems" attribute of the PolicyDataSubscription data type. When the feature "ImmediateReportPcc" is also supported, the "notifId" and "reportedFragments" attributes shall be included in subscription responses when the resource fragments existed when the immediate reporting was requested. | | | | | |

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

#### 5.4.2.35 Type GroupPolicyData

Table 5.4.2.35-1: Definition of type GroupPolicyData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| maxGroupMbrUl | BitRate | O | 0..1 | Contains the maximum aggregate UL data rate that can be provided across all GBR and Non-GBR QoS Flows in the 5G VN group.  (NOTE) |  |
| maxGroupMbrDl | BitRate | O | 0..1 | Contains the maximum aggregate DL data rate that can be provided across all GBR and Non-GBR QoS Flows in the 5G VN group.  (NOTE) |  |
| remainGroupMbrUl | BitRate | O | 0..1 | Contains the remaining maximum aggregate UL data rate that can be provided across all GBR and Non-GBR QoS Flows in the 5G VN group.  (NOTE) |  |
| remainGroupMbrDl | BitRate | O | 0..1 | Contains the remaining maximum aggregate DL data rate that can be provided across all GBR and Non-GBR QoS Flows in the 5G VN group.  (NOTE) |  |
| suppFeat | SupportedFeatures | C | 0..1 | Contains the list of negotiated supported features.  This attribute shall be present only when feature negotiation needs to take place. |  |
| NOTE: The initial value of these attributes shall be set based on the Maximum Group Data Rate information and/or operator policies. | | | | | |

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

5.4.2.36 Type GroupPolicyDataPatch

Table 5.4.2.36-1: Definition of type GroupPolicyDataPatch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| maxGroupMbrUl | BitRate | O | 0..1 | Contains the updated maximum aggregate UL data rate that can be provided across all GBR and Non-GBR QoS Flows in the 5G VN group.  (NOTE) |  |
| maxGroupMbrDl | BitRate | O | 0..1 | Contains the updated maximum aggregate DL data rate that can be provided across all GBR and Non-GBR QoS Flows in the 5G VN group.  (NOTE) |  |
| remainGroupMbrUl | BitRate | O | 0..1 | Contains the updated remaining maximum aggregate UL data rate that can be provided across all GBR and Non-GBR QoS Flows of the 5G VN group.  (NOTE) |  |
| remainGroupMbrDl | BitRate | O | 0..1 | Contains the updated remaining maximum aggregate DL data rate that can be provided across all GBR and Non-GBR QoS Flows of the 5G VN group.  (NOTE) |  |
| NOTE: At least one of these attributes shall be present. | | | | | |

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

### 6.2.2 Resource Structure

This clause describes the structure for the Resource URIs and the resources and methods used for the service.

Figure 6.2.2-1 depicts the resource URIs structure for the Nudr\_DataRepository API for application data



Figure 6.2.2-1: Resource URI structure of the Nudr\_DataRepository API for application data

Table 6.2.2-1 provides an overview of the resources and applicable HTTP methods.

Table 6.2.2-1: Resources and methods overview

|  |  |  |  |
| --- | --- | --- | --- |
| Resource name | Resource URI | HTTP method or custom operation | Description |
| PFD Data | /application-data/pfds | GET | Retrieve PFDs for application identifier(s) identified by query parameter(s).  Retrieve PFDs for all application identifier(s) if no query parameter is included in the Request URI. |
| Individual PFD Data | /application-data/pfds/{appId} | GET | Retrieve the corresponding PFDs of the specified application identifier. |
| DELETE | Delete the corresponding PFDs of the specified application identifier. |
| PUT | Create or update the corresponding PFDs for the specified application identifier. |
| Influence Data | /application-data/influenceData  (NOTE) | GET | Retrieve the Session Influence Data of given services, S-NSSAIs and DNNs or Internal Group Identifier(s) or Subscriber Category(ies) or SUPIs. |
| Individual Influence Data | /application-data/influenceData/ {influenceId}  (NOTE) | PUT | Create an individual Influence Data resource identified by {influenceId}, or modify all of the properties of an individual Influence Data resource identified by {influenceId}. |
| PATCH | Modify part of the properties of an individual Influence Data resource identified by {influenceId}. |
| DELETE | Delete an individual Influence Data resource identified by {influenceId}. |
| Influence Data Subscription | /application-data/influenceData/ subs-to-notify  (NOTE) | POST | Create a new Individual Influence Data Subscription resource. |
| GET | Read subscriptions for a given S-NSSAI and DNN or Internal Group Identifier(s) or Subscriber Category(ies) or SUPI. |
| Individual Influence Data Subscription | /application-data/influenceData/ subs-to-notify/{subscriptionId}  (NOTE) | GET | Get an existing individual Influence Data Subscription resource identified by {subscriptionId}. |
| PUT | Modify an existing individual Influence Data Subscription resource identified by {subscriptionId}. |
| DELETE | Delete an individual Influence Data Subscription resource identified by {subscriptionId}. |
| Applied BDT Policy Data | /application-data/bdtPolicyData  (NOTE) | GET | Retrieve the applied BDT policy data. |
| Individual Applied BDT Policy Data | /application-data/bdtPolicyData/{bdtPolicyId}  (NOTE) | PUT | Create an individual applied BDT Policy Data resource identified by {bdtPolicyId}. |
| PATCH | Modify BDT Reference Id of an individual applied BDT Policy Data resource identified by {bdtPolicyId}. |
| DELETE | Delete an individual applied BDT Policy Data resource identified by {bdtPolicyId}. |
| IPTV Configurations | /application-data/iptvConfigData  (NOTE) | GET | Retrieve IPTV configurations for configuration identifier(s), given S-NSSAI(s) and DNN(s), or SUPIs or Internal Group Identifiers |
| Individual IPTV Configuation | /application-data/iptvConfigData/ {configurationId}  (NOTE) | PUT | Create an Individual IPTV Configuration resource identified by {configurationId}, or modify all the properties of an Individual IPTV Configuration resource identified by {configurationId}. |
| PATCH | Modify some properties of an Individual IPTV Configuration resource identified by {configurationId}. |
| DELETE | Delete an Individual IPTV Configuration resource identified by {configurationId} |
| Service Parameter Data | /application-data/serviceParamData  (NOTE) | GET | Retrieve the Service Parameter Data of given services, S-NSSAIs and DNNs or Internal Group Identifiers or SUPIs. |
| Individual Service Parameter Data | /application-data/serviceParamData/ {serviceParamId}  (NOTE) | PUT | Create an individual Service Parameter Data resource identified by {serviceParamId}, or modify all of the properties of an individual Service Parameter Data resource identified by {serviceParamId}. |
| PATCH | Modify part of the properties of an individual Service Parameter Data resource identified by {serviceParamId}. |
| DELETE | Delete an individual Service Parameter Data resource identified by {serviceParamId}. |
| AM Influence Data | /application-data/am-influence-data | GET | Retrieve the AM Influence Data of given S-NSSAIs and DNNs and/or Internal Group Identifiers or SUPIs or for LBO roaming scenarios, any inbound roaming UEs identified by their home PLMN ID(s). |
| Individual AM Influence Data | /application-data/am-influence-data/{amInfluenceId} | PUT | Create an individual AM Influence Data resource identified by {amInfluenceId}, or modify all of the properties of an individual AM Influence Data resource identified by {amInfluenceId}. |
| PATCH | Modify part of the properties of an individual AM Influence Data resource identified by {amInfluenceId}. |
| DELETE | Delete an individual AM Influence Data resource identified by {amInfluenceId}. |
| ApplicationDataSubscriptions | /application-data/subs-to-notify | POST | Create a subscription to receive notification of application data changes. |
| GET | Read all the subscriptions, or subscriptions for given S-NSSAI and DNN or Internal Group Identifier or SUPI. |
| IndividualApplicationDataSubscription | /application-data/subs-to-notify/ {subsId} | PUT | Modify a subscription to receive notification of application data changes identified by {subsId}. |
| DELETE | Delete a subscription identified by {subsId}. |
| GET | Read an existing individual Subscription resource identified by {subsId}. |
| EAS Deployment Information Data | /application-data/eas-deploy-data | GET | Retrieve the EAS Deployment Information Data, given DNN(s), S-NSSAI(s), Application ID or Internal Group Identifiers. |
| Individual EAS Deployment Information Data | /application-data/eas-deploy-data/{easDeployInfoId} | GET | Read an existing individual EAS Deployment Data identified by {easDeployInfoId}. |
| PUT | Create an individual EAS deployment information Data resource identified by {easDeployInfold} or Update an individual EAS Deployment Data resource identified by {easDeployInfoId}. |
| DELETE | Delete an individual EAS Deployment Data resource identified by {easDeployInfoId}. |
| AF Requested QoS Data Sets | /application-data/af-qos-data-sets | GET | Retrieve one or several existing AF Requested QoS Data Set(s). |
| Individual AF Requested QoS Data Set | /application-data/af-qos-data-sets/{afReqQosId} | PUT | Create an "Individual AF Requested QoS Data Set" resource or update an existing "Individual AF Requested QoS Data Set" resource. |
| PATCH | Modify an existing "Individual AF Requested QoS Data Set" resource. |
| DELETE | Delete an existing "Individual AF Requested QoS Data Set" resource. |
| Individual DNAI EAS Mapping | /application-data/dnai-eas-mappings/{dnai} | GET | Retrieve the EAS address information for a DNAI. |
| ECS Address Roaming Data | /application-data/ecs-address-roaming | GET | Retrieve all existing ECS Address Configuration Information for roaming UEs. |
| Individual ECS Address Roaming Data | /application-data/ecs-address-roaming/{ecsAddrInfoId} | GET | Retrieve an existing ECS Address Configuration Information entry for roaming UEs. |
| PUT | Create or Update an ECS Address Configuration Information entry for roaming UEs. |
| DELETE | Delete an existing ECS Address Configuration Information entry for roaming UEs. |
| NOTE: The path segment does not follow the related naming convention defined in 3GPP TS 29.501 [5]. The path segment is kept though as defined in the current specification for backward compatibility considerations. | | | |

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

#### 6.2.21.1 Description

The "AF Requested QoS Data Sets" collection resource represents all the AF Requested QoS Data Set(s) managed by the UDR.

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

#### 6.2.21.2 Resource definition

Resource URI: **{apiRoot}/nudr-dr/<apiVersion>/application-data/af-qos-data-sets**

This resource shall support the resource URI variables defined in table 6.2.21.2-1.

Table 6.2.21.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 6.1.1 of 3GPP TS 29.504 [6]. |

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

##### 6.2.21.3.1 GET

This method shall support the URI query parameters specified in table 6.2.21.3.1-1.

Table 6.2.21.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| dnns | array(Dnn) | O | 1..N | Identifies the targeted DNN(s).  When this query parameter is provided, the UDR shall return only the resource(s) that match at least one of the provided DNN(s).  (NOTE 1, NOTE 2) |
| snssais | array(Snssai) | O | 1..N | Identifies the targeted network slice(s).  When this query parameter is provided, the UDR shall return only the resource(s) that match at least one of the provided network slice(s).  (NOTE 1, NOTE 2) |
| int-group-ids | array(GroupId) | O | 1..N | Contains the targeted group(s) of UE(s).  When this query parameter is provided, the UDR shall return only the resource(s) that match at least one of the provided internal group ID(s).  (NOTE 1, NOTE 3) |
| supis | array(Supi) | O | 1..N | Contains the identifier(s) of the targeted UE(s).  When this query parameter is provided, the UDR shall return only the resource(s) that match at least one of the provided SUPI(s).  (NOTE 1, NOTE 3) |
| data-set-ids | array(string) | O | 1..N | Contains the identifier(s) of the requested "Individual AF Requested QoS Data Set" resource(s).  (NOTE 1, NOTE 4) |
| supp-feat | SupportedFeatures | O | 0..1 | Contains the features supported by the NF service consumer.  This query parameter shall be present when feature negotiation needs to take place. |
| NOTE 1: At least one of these query parameters shall be present.  NOTE 2: These query parameters are mutually exclusive. Either one of them may be present.  NOTE 3: These query parameters are mutually exclusive. Either one of them may be present.  NOTE 4: When this query parameter is present, all the other query parameters shall not be present, except the "supp-feat" query parameter that may be present when needed. | | | | |

This method shall support the request data structures specified in table 6.2.21.3.1-2 and the response data structures and response codes specified in table 6.2.21.3.1-3.

Table 6.2.21.3.1-2: Data structures supported by the GET Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| n/a |  |  |  |

Table 6.2.21.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| array(AfRequestedQosData) | M | 0..N | 200 OK | Successful case. The requested "Individual AF Requested QoS Data Set" resource(s) matching the provided query parameter(s) shall be returned.  If there are no "Individual AF Requested QoS Data Set" resource(s) matching the provided query parameter(s), an empty array shall be returned. |
| NOTE: The mandatory HTTP error status codes for the HTTP GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. | | | | |

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

#### 6.2.22.2 Resource definition

Resource URI: **{apiRoot}/nudr-dr/<apiVersion>/application-data/af-qos-data-sets/{afReqQosId}**

This resource shall support the resource URI variables defined in table 6.2.22.2-1.

Table 6.2.22.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 6.1.1 of 3GPP TS 29.504 [6]. |
| afReqQosId | string | Represents the identifier of the "Individual AF Requested QoS Data Set" resource. |

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

##### 6.2.22.3.1 PUT

This method shall support the URI query parameters specified in table 6.2.22.3.1-1.

Table 6.2.22.3.1-1: URI query parameters supported by the PUT method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data type** | **P** | **Cardinality** | **Description** |
| n/a |  |  |  | n/a |

This method shall support the request data structures specified in table 6.2.22.3.1-2 and the response data structures and response codes specified in table 6.2.22.3.1-3.

Table 6.2.22.3.1-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| AfRequestedQosData | M | 1 | Represents the parameters to request the creation/update of an AF Requested QoS Data. |

Table 6.2.22.3.1-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  codes | Description |
| AfRequestedQosData | M | 1 | 201 Created | Successful case. The "Individual AF Requested QoS Data Set" resource is successfully created and a representation of the created resource shall be returned in the response body.  An HTTP "Location" header that contains the URI of the created resource shall also be included. |
| AfRequestedQosData | M | 1 | 200 OK | Successful case. The "Individual AF Requested QoS Data Set" resource is successfully updated and a representation of the updated resource shall be returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The resource is successfully updated and no content is returned in the response body. |
| NOTE: The mandatory HTTP error status codes for the HTTP PUT method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. | | | | |

Table 6.2.22.3.1-4: Headers supported by the 201 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains the URI of the newly created resource, according to the structure:  {apiRoot}/nudr-dr/<apiVersion>/application-data/af-qos-data-sets/{afReqQosId} |

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

##### 6.2.22.3.2 PATCH

This method shall support the URI query parameters specified in table 6.2.22.3.2-1.

Table 6.2.22.3.2-1: URI query parameters supported by the PATCH method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This method shall support the request data structures specified in table 6.2.22.3.2-2 and the response data structures and response codes specified in table 6.2.22.3.2-3.

Table 6.2.22.3.2-2: Data structures supported by the PATCH Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| AfRequestedQosDataPatch | M | 1 | Represents the requested modifications to the "Individual AF Requested QoS Data Set" resource. |

Table 6.2.22.3.2-3: Data structures supported by the PATCH Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data type** | **P** | **Cardinality** | **Response**  **codes** | **Description** |
| AfRequestedQosData | M | 1 | 200 OK | Successful case. The "Individual AF Requested QoS Data Set" resource is successfully modified and a representation of the updated resource shall be returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The "Individual AF Requested QoS Data" resource is successfully modified and no content is returned in the response body. |
| NOTE: The mandatory HTTP error status codes for the HTTP PATCH method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. | | | | |

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

##### 6.2.22.3.3 DELETE

This method shall support the URI query parameters specified in table 6.2.22.3.3-1.

Table 6.2.22.3.3-1: URI query parameters supported by the DELETE method on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| n/a |  |  |  |  |

This method shall support the request data structures specified in table 6.2.22.3.3-2 and the response data structures and response codes specified in table 6.2.22.3.3-3.

Table 6.2.22.3.3-2: Data structures supported by the DELETE Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| n/a |  |  |  |

Table 6.2.22.3.3-3: Data structures supported by the DELETE Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Response  Codes | Description |
| n/a |  |  | 204 No Content | Successful case. The "Individual AF Requested QoS Data Set" resource is successfully deleted. |
| NOTE: The mandatory HTTP error status codes for the HTTP DELETE method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] shall also apply. | | | | |

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

### 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 |
| AfRequestedQosData | 6.4.2.18 | Represents an AF Requested QoS Data Set. | GMEC |
| AfRequestedQosDataPatch | 6.4.2.19 | Represents the requested modifications to an AF Requested QoS Data Set. | GMEC |
| 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 |
| CorrelationType | 6.4.3.4 | Indicates that the EAS(es) corresponding to a common DNAI or common EAS should be selected | CommonEASDNAI |
| DataInd | 6.4.3.3 | Indicates the type of data. |  |
| DataFilter | 6.4.2.12 | Indicates an application data filter. |  |
| DnaiEasInfo | 6.4.2.22 | Contains EAS information for a DNAI. | DnaiEasMappings |
| DnaiEasMapping | 6.4.2.21 | Contains DNAI(s) to EAS mapping. | DnaiEasMappings |
| EcsAddrData | 6.4.2.23 | Represents ECS Address Configuration Data. | HR-SBO |
| IptvConfigData | 6.4.2.9 | Represents IPTV configuration data information. |  |
| PfdDataForAppExt | 6.4.2.6 | The PFDs and related data for the application |  |
| QosRequirements | 6.4.6.24 | Represents QoS requirements. | GMEC |
| QosRequirementsRm | 6.4.6.25 | Represents the same as the QosRequirements data type but with the OpenAPI "nullable: true" property. | GMEC |
| ServiceParameterData | 6.4.2.15 | Contains the service parameter data. |  |
| TrafficCorrelationInfo | 6.4.2.18 | Contains the information for traffic correlation. | CommonEASDNAI |
| 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 |
| A2xParamsPc5 | 3GPP TS 29.522 [19] | Contains the A2X service parameters data provisioned over PC5. | A2X |
| A2xParamsPc5Rm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the A2xParamsPc5 data type, but with the OpenAPI nullable property set to true. | A2X |
| AmInfluEvent | 3GPP TS 29.522 [19] | Identifies the type of AM related events of which the AF requests to be notified. |  |
| AlternativeServiceRequirementsData | 3GPP TS 29.514 [52] | Contains alternative QoS related parameters and a reference to them. | GMEC |
| 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 |
| BitRate | 3GPP TS 29.571 [7] | Represent a bitrate. | GMEC |
| 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. |  |
| Dnai | 3GPP TS 29.571 [7] | Represents a DNAI. | DnaiEasMappings |
| 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  CachingTimer |
| 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 |
| EcsServerAddr | 3GPP TS 29.571 [7] | Represents the Edge Configuration Server (ECS) address configuration information. | HR-SBO |
| EthFlowDescription | 3GPP TS 29.514 [16] | Contains the Ethernet data flow information.(NOTE) |  |
| EthFlowInfo | 3GPP TS 29.122 [9] | Represents Ethernet flow information. | GMEC |
| Event | 3GPP TS 29.522 [19] | Contains the outcome of the UE Policy Delivery related to the invocation of AF provisioned service parameters. | DeliveryOutcome |
| EventsSubscReqData | 3GPP TS 29.514 [16] | Represents the events that the application subscribes to. | GMEC |
| EventsSubscReqDataRm | 3GPP TS 29.514 [16] | This data type is defined in the same way as the EventsSubsReqData data type, but with the OpenAPI "nullable: true" property. | GMEC |
| FlowInfo | 3GPP TS 29.122 [9] | Contains the flow information. |  |
| FqdnPatternMatchingRule | 3GPP TS 29.571 [7] | Identifies an FQDN pattern matching rule. | DnaiEasMappings |
| GroupId | 3GPP TS 29.571 [7] | Identifies a group of users. | EasDeployment |
| IpAddr | 3GPP TS 29.571 [7] | IP address and/or prefix. | DnaiEasMappings |
| 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. |  |
| Link | 3GPP TS 29.122 [9] | Identifies a referenced resource. | HR-SBO |
| 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. |  |
| NetworkDescription | 3GPP TS 29.522 [19] | Represents the description of a PLMN in terms of the PLMN ID, the MCC (and optionally, applicable MNCs) or the indication of any PLMN | VPLMNSpecificURSP |
| ParameterOverPc5 | 3GPP TS 29.522 [19] | Contains the V2X service parameters data provisioned over PC5. |  |
| ParameterOverPc5Rm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParameterOverPc5 data type, but with the OpenAPI nullable property set to true. |  |
| ParameterOverUu | 3GPP TS 29.522 [19] | Contains the V2X service parameters data provisioned over Uu. |  |
| ParameterOverUuRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParameterOverUu data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeDc | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe direct communications. | ProSe |
| ParamForProSeDcRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeDc data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeDd | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe direct discovery. | ProSe |
| ParamForProSeDdRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeDd data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeEndUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe End UE. | ProSe\_Ph2 |
| ParamForProSeEndUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeEndUe data type, but with the OpenAPI nullable property set to true. | ProSe\_Ph2 |
| ParamForProSeRemUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe remote UE. | ProSe |
| ParamForProSeRemUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeRemUe data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeU2NRelUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe UE-to-network relay UE. | ProSe |
| ParamForProSeU2NRelUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeU2NRelUe data type, but with the OpenAPI nullable property set to true. |  |
| ParamForProSeU2URelUe | 3GPP TS 29.522 [19] | Contains the service parameters for 5G ProSe UE-to-UE Relay UE. | ProSe\_Ph2 |
| ParamForProSeU2URelUeRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the ParamForProSeU2URelUe data type, but with the OpenAPI nullable property set to true. | ProSe\_Ph2 |
| ParamForRangingSlPos | 3GPP TS 29.522 [19] | Contains the service parameters for ranging and sidelink positioning. | Ranging\_SL |
| ParamForRangingSlPosRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the "ParamForRangingSlPos" data type, but with the OpenAPI "nullable: true" property. | Ranging\_SL |
| 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. |  |
| PlmnId | 3GPP TS 29.571 [7] | Identifies a PLMN. | DCAMP\_Roaming\_LBO |
| 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. |  |
| SpatialValidityCond | 3GPP TS 29.571 [7] | Indicates the spatial validity condition. | HR-SBO |
| 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. |  |
| TemporalInValidity | 3GPP TS 29.565 [27] | Represents the temporal invalidity conditions. | GMEC |
| TemporalValidity | 3GPP TS 29.514 [16] | Indicates the time interval during which the AF request is to be applied. | MultiTemporalCondition |
| TnapId | 3GPP TS 29.571 [7] | Trusted Network Access Point identifier. | AfGuideTNAPs |
| TscaiInputContainer | 3GPP TS 29.514 [16] | Represents the TSCAI Input information container. | GMEC |
| TsnQosContainer | 3GPP TS 29.514 [16] | Represents the TSC traffic QoS parameters information container. | GMEC |
| MappingInfo | 3GPP TS 29.522 [19] | Contains the mapping information between the Application Layer ID and the GPSI. | Ranging\_SL |
| MappingInfoRm | 3GPP TS 29.522 [19] | This data type is defined in the same way as the MappingInfo data type, but with the OpenAPI "nullable: true" property. | Ranging\_SL |
| 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 \* \* \* \*

#### 6.4.2.11 Type ApplicationDataChangeNotif

Table 6.4.2.11-1: Definition of type ApplicationDataChangeNotif

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| iptvConfigData | IptvConfigData | O | 0..1 | IPTV Configuration Data.  (NOTE) |  |
| pfdData | PfdChangeNotification | O | 0..1 | PFD Data.  (NOTE) |  |
| bdtPolicyData | BdtPolicyData | O | 0..1 | BDT Policy Data.  (NOTE) |  |
| serParamData | ServiceParameterData | O | 0..1 | Service Parameter Data, if changed and notification was requested.  (NOTE) |  |
| amInfluData | AmInfluData | O | 0..1 | AM Influence Data.  (NOTE) | DCAMP |
| dnaiEasData | DnaiEasMapping | O | 0..1 | DNAI EAS Mapping.  (NOTE) | DnaiEasMappings |
| afReqQosData | AfRequestedQosData | O | 0..1 | Contains the AF requested QoS data for a UE or Group of UE(s) not identified by UE address(es).  (NOTE) | GMEC |
| ecsAddrData | EcsAddrData | O | 0..1 | ECS Address Roaming Data.  (NOTE) | HR-SBO |
| resUri | Uri | M | 1 | Identifies the resource in the corresponding data change. For notifying deletion, only resUri shall be provided in the ApplicationDataChangeNotif data type. |  |
| NOTE: Only one among those attributes shall be provided in notifying data creation or update and in immediate reports. | | | | | |

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

#### 6.4.2.18 Type AfRequestedQosData

Table 6.4.2.18-1: Definition of type AfRequestedQosData

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| supi | Supi | C | 0..1 | Identifies a UE.  (NOTE 1) |  |
| interGroupId | GroupId | C | 0..1 | Identifies a group of UE(s).  (NOTE 1) |  |
| afAppId | string | O | 0..1 | Contains the identifier of the AF Application. |  |
| dnn | Dnn | O | 0..1 | Represents a DNN.  (NOTE 2) |  |
| sliceInfo | Snssai | O | 0..1 | Represents the identifier of a network slice. |  |
| flowInfo | array(FlowInfo) | C | 1..N | Contains the IP data flow(s) for which the AF requested QoS applies.  (NOTE 3) |  |
| ethFlowInfo | array(EthFlowDescription) | C | 1..N | Contains Ethernet packet flow(s) for which the AF requested QoS applies.  (NOTE 3) |  |
| enEthFlowInfo | array(EthFlowInfo) | C | 1..N | Contains the Ethernet flows for which the AF requested QoS applies. Each Ethernet flow consists of a flow identifier and the corresponding UL and/or DL flows.  (NOTE 3) |  |
| evSubsc | EventsSubscReqData | O | 0..1 | Contains the requested event(s) subscription related information. |  |
| qosReference | string | C | 0..1 | Contains a pre-defined QoS reference.  (NOTE 4) |  |
| qosReqs | QosRequirements | C | 0..1 | Contains the requested QoS parameters related information.  (NOTE 4) |  |
| altSerReqs | array(string) | O | 1..N | Contains an ordered list of alternative service requirements that include a set of QoS reference(s). The lower the index of the array for a given entry, the higher the priority.  (NOTE 4) |  |
| altSerReqsData | array(AlternativeServiceRequirementsData) | O | 1..N | Contains an ordered list of alternative service requirements that include individual QoS parameter set(s). The lower the index of the array for a given entry, the higher the priority.  (NOTE 4) |  |
| disUeNotif | boolean | O | 0..1 | Indicates whether to disable QoS flow parameters signalling to the UE.  - "true" indicates to disable QoS flow parameters signalling to the UE.  - "false" indicates not to disable QoS flow parameters signalling to the UE.  - The default value is "false" if this attribute is absent and has not been previously provisioned. |  |
| tempInValidity | TemporalInValidity | O | 0..1 | Indicates the temporal invalidity conditions, i.e., the time interval during which the AF requested QoS is not to be applied. |  |
| headers | array(string) | O | 1..N | Contains the headers provisioned by the NEF, e.g., the "3gpp-Sbi-Binding" header (specified in 3GPP TS 29.500 [4]) containing the binding indication information applicable to the URI included in the "notifUri" attribute provided within the "evSubsc" attribute.  The encoding of the header shall comply with clause 6.3 of IETF RFC 9110 [21]. |  |
| suppFeat | SupportedFeatures | C | 1 | Contains the list of supported features among the ones defined in clause 6.1.8 of 3GPP TS 29.504 [6].  This attribute shall be present only when feature negotiation needs to take place. |  |
| NOTE 1: These attributes are mutually exclusive. Either one of them shall be present.  NOTE 2: This attribute contains the Data Network Name, i.e., a full DNN with both the Network Identifier and Operator Identifier, or a DNN with the Network Identifier only. The PCF uses the DNN as obtained from the UDR without applying any transformation (e.g., during SM Policy Association matching). To successfully perform DNN matching in a specific deployment, a DNN shall always be encoded either as a full DNN (e.g., because there are multiple Operator Identifiers for a Network Identifier) or the DNN Network Identifier only.  NOTE 3: These attributes are mutually exclusive. Either one of them shall be present.  NOTE 4: The "qosReqs" attribute and the "qosReference" attribute are mutually exclusive and either one of them shall be present. The "altQoSReferences" attribute and the "altQosReqs" attribute are mutually exclusive. If the "qosReference" attribute is present, then the "altQosReqs" attribute shall not be present. | | | | | |

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

#### 6.4.2.19 Type AfRequestedQosDataPatch

Table 6.4.2.19-1: Definition of type AfRequestedQosDataPatch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| afAppId | string | O | 0..1 | Contains the identifier of the AF application. |  |
| evSubsc | EventsSubscReqDataRm | O | 0..1 | Contains the requested event(s) subscription related information. |  |
| flowInfo | array(FlowInfo) | O | 1..N | Contains the updated IP data flow(s) for which the AF requested QoS applies. |  |
| ethFlowInfo | array(EthFlowDescription) | O | 1..N | Contains updated Ethernet packet flow(s) for which the AF requested QoS applies.  (NOTE) |  |
| enEthFlowInfo | array(EthFlowInfo) | O | 1..N | Contains the updated Ethernet flows for which the AF requested QoS applies. Each Ethernet flow consists of a flow identifier and the corresponding UL and/or DL flows.  (NOTE) |  |
| qosReference | string | O | 0..1 | Contains the updated pre-defined QoS reference.  (NOTE) |  |
| qosReqs | QosRequirementsRm | O | 0..1 | Contains the updated requested QoS parameters related information.  (NOTE) |  |
| altSerReqs | array(string) | O | 0..N | Contains the updated ordered list of alternative service requirements that include a set of QoS reference(s). The lower the index of the array for a given entry, the higher the priority.  (NOTE) |  |
| altSerReqsData | array(AlternativeServiceRequirementsData) | O | 1..N | Contains the updated ordered list of alternative service requirements that include individual QoS parameter set(s). The lower the index of the array for a given entry, the higher the priority.  (NOTE) |  |
| disUeNotif | boolean | O | 0..1 | Contains the updated indication on whether to disable QoS flow parameters signalling to the UE.  - "true" indicates to disable QoS flow parameters signalling to the UE.  - "false" indicates not to disable QoS flow parameters signalling to the UE. |  |
| tempInValidity | TemporalInValidity | O | 0..1 | Indicates the updated temporal invalidity conditions, i.e., the time interval during which the AF requested QoS is not to be applied. |  |
| headers | array(string) | O | 1..N | Contains the updated headers provisioned by the NEF, e.g., the "3gpp-Sbi-Binding" header (specified in 3GPP TS 29.500 [4]) containing the binding indication information applicable to the URI included in the "notifUri" attribute provided within the "evSubsc" attribute.  The encoding of the header shall comply with clause 6.3 of IETF RFC 9110 [21]. |  |

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

#### 6.4.2.24 Type QosRequirements

Table 6.4.2.24-1: Definition of type QosRequirements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| marBwUl | BitRate | O | 0..1 | Contains the maximum requested bandwidth for the Uplink. |  |
| marBwDl | BitRate | O | 0..1 | Contains the maximum requested bandwidth for the Downlink. |  |
| mirBwUl | BitRate | O | 0..1 | Contains the minimum requested bandwidth for the Uplink. |  |
| mirBwDl | BitRate | O | 0..1 | Contains the minimum requested bandwidth for the Downlink. |  |
| tsnQos | TsnQoSContainer | O | 0..1 | Contains the QoS parameters for TSC traffic. |  |
| tscaiTimeDom | Uinteger | O | 0..1 | Indicates the (g)PTP domain that the (TSN)AF is located in. |  |
| tscaiInputUl | TscaiInputContainer | O | 0..1 | Contains the the input parameters for TSC traffic to construct the TSC Assistance Container in uplink direction.  (NOTE) |  |
| tscaiInputDl | TscaiInputContainer | O | 0..1 | Contains the the input parameters for TSC traffic to construct the TSC Assistance Container in downlink direction.  (NOTE) |  |
| capBatAdaptation | boolean | O | 0..1 | Indicates the capability for AF to adjust the burst sending time.  - "true" means that the AF is capable to adjust the burst sending time.  - "false" means that the AF is not capable to adjust the burst sending time.  - The default value is "false" if omitted.  (NOTE) |  |
| NOTE: The "burstArrivalTimeWnd" attribute within the "tscaiInputUl" and/or "tscaiInputDl" attributes and the "capBatAdaptation" attribute are mutually exclusive. | | | | | |

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

#### 6.4.3.3 Enumeration: DataInd

Table 6.4.3.3-1: Enumeration DataInd

|  |  |  |
| --- | --- | --- |
| Enumeration value | Description | Applicability |
| PFD | PFD data |  |
| IPTV | IPTV configuration data |  |
| BDT | BDT data |  |
| SVC\_PARAM | Service parameter data |  |
| AM | AM influence data | DCAMP |
| DNAI\_EAS | DNAI EAS mapping data | DnaiEasMappings |
| REQ\_QOS | Indicates the AF Requested QoS data for a UE or group of UE(s) not identified by UE address(es). | GMEC |
| ECS | ECS Address Roaming Data. | HR-SBO |

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

# A.2 Nudr\_DataRepository API for Policy 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\_Policy\_Data.yaml".

openapi: 3.0.0

info:

version: '-'

title: Unified Data Repository Service API file for policy data

description: |

The API version is defined in 3GPP TS 29.504

© 2024, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).

All rights reserved.

externalDocs:

description: >

3GPP TS 29.519 V18.5.0; 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:

/policy-data/ues/{ueId}:

parameters:

- name: ueId

in: path

required: true

schema:

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

get:

summary: Retrieve the policy data for a subscriber

operationId: ReadPolicyData

tags:

- PolicyDataForIndividualUe (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

- name: data-subset-names

in: query

style: form

explode: false

description: List of policy data subset names

required: false

schema:

type: array

items:

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

minItems: 2

responses:

'200':

description: Upon success, a response body containing policy data shall be returned.

content:

application/json:

schema:

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

'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'

'503':

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

default:

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

/policy-data/ues/{ueId}/am-data:

parameters:

- name: ueId

in: path

required: true

schema:

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

get:

summary: Retrieves the access and mobility policy data for a subscriber

operationId: ReadAccessAndMobilityPolicyData

tags:

- AccessAndMobilityPolicyData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:am-data:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: >

Upon success, a response body containing access and mobility policies shall be returned.

content:

application/json:

schema:

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

'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'

/policy-data/ues/{ueId}/ue-policy-set:

parameters:

- name: ueId

in: path

required: true

schema:

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

get:

summary: Retrieves the UE policy set data for a subscriber

operationId: ReadUEPolicySet

tags:

- UEPolicySet (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:ue-policy-set:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing UE policies shall be returned.

content:

application/json:

schema:

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

'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 modify the UE policy set data for a subscriber

operationId: CreateOrReplaceUEPolicySet

tags:

- UEPolicySet (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:ue-policy-set:create

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: >

Successful case. The resource has been successfully created and a response body

containing a representation of the created UEPolicySet resource shall be returned.

content:

application/json:

schema:

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

headers:

Location:

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

required: true

schema:

type: string

'200':

description: >

Successful case. The resource has been successfully created and a response body

containing UE policies shall be returned.

content:

application/json:

schema:

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

'204':

description: >

Successful case. The resource has been successfully updated 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'

patch:

summary: Modify the UE policy set data for a subscriber

operationId: UpdateUEPolicySet

tags:

- UEPolicySet (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:ue-policy-set:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'204':

description: >

Successful case. The resource has been successfully updated 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'

/policy-data/ues/{ueId}/sm-data:

get:

summary: Retrieves the session management policy data for a subscriber

operationId: ReadSessionManagementPolicyData

tags:

- SessionManagementPolicyData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:sm-data:read

parameters:

- name: ueId

in: path

required: true

schema:

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

- name: snssai

in: query

required: false

content:

application/json:

schema:

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

- name: dnn

in: query

required: false

schema:

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

- name: fields

in: query

description: attributes to be retrieved

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing SmPolicyData shall be returned.

content:

application/json:

schema:

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

'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'

patch:

summary: Modify the session management policy data for a subscriber

operationId: UpdateSessionManagementPolicyData

tags:

- SessionManagementPolicyData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:sm-data:modify

parameters:

- name: ueId

in: path

required: true

schema:

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

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'204':

description: >

Successful case. The resource has been successfully updated and no

additional content is to be sent in the response message.

'200':

description: Expected response to a valid request

content:

application/json:

schema:

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

'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'

/policy-data/ues/{ueId}/sm-data/{usageMonId}:

get:

summary: Retrieve a usage monitoring resource

operationId: ReadUsageMonitoringInformation

tags:

- UsageMonitoringInformation (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:sm-data:read

parameters:

- name: ueId

in: path

required: true

schema:

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

- name: usageMonId

in: path

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: Successful case. The usage monitoring data is returned.

content:

application/json:

schema:

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

'204':

description: The resource was found but no usage monitoring data is available.

'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: Create a usage monitoring resource

operationId: CreateUsageMonitoringResource

tags:

- UsageMonitoringInformation (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:sm-data:create

parameters:

- name: ueId

in: path

required: true

schema:

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

- name: usageMonId

in: path

required: true

schema:

type: string

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: >

Successful case. The resource has been successfully created and a response body is

returned containing a representation of the resource.

content:

application/json:

schema:

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

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'

'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 a usage monitoring resource

operationId: DeleteUsageMonitoringInformation

tags:

- UsageMonitoringInformation (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:sm-data:modify

parameters:

- name: ueId

in: path

required: true

schema:

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

- name: usageMonId

in: path

required: true

schema:

type: string

responses:

'204':

description: Successful case. The resource has been successfully 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'

/policy-data/sponsor-connectivity-data/{sponsorId}:

parameters:

- name: sponsorId

in: path

required: true

schema:

type: string

get:

summary: Retrieves the sponsored connectivity information for a given sponsorId

operationId: ReadSponsorConnectivityData

tags:

- SponsorConnectivityData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:sponsor-connectivity-data:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: >

Upon success, a response body containing Sponsor Connectivity Data shall be returned.

content:

application/json:

schema:

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

'204':

description: The resource was found but no Sponsor Connectivity Data is available.

'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'

/policy-data/bdt-data:

get:

summary: Retrieves the BDT data collection

operationId: ReadBdtData

tags:

- BdtData (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

parameters:

- name: bdt-ref-ids

in: query

description: List of the BDT reference identifiers.

required: false

schema:

type: array

items:

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

minItems: 1

style: form

explode: false

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing the BDT data shall be returned.

content:

application/json:

schema:

type: array

items:

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

'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'

/policy-data/bdt-data/{bdtReferenceId}:

parameters:

- name: bdtReferenceId

in: path

required: true

schema:

type: string

get:

summary: Retrieves the BDT data information associated with a BDT reference Id

operationId: ReadIndividualBdtData

tags:

- IndividualBdtData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing the BDT data shall be returned.

content:

application/json:

schema:

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

'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: Creates an BDT data resource associated with an BDT reference Id

operationId: CreateIndividualBdtData

tags:

- IndividualBdtData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Successful case. The resource has been successfully created.

content:

application/json:

schema:

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

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'

'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: Modifies an BDT data resource associated with an BDT reference Id

operationId: UpdateIndividualBdtData

tags:

- IndividualBdtData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: Expected response to a valid request

content:

application/json:

schema:

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

'204':

description: >

Successful case. The resource has been successfully updated 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: Deletes an BDT data resource associated with an BDT reference Id

operationId: DeleteIndividualBdtData

tags:

- IndividualBdtData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

responses:

'204':

description: Successful case. The resource has been successfully 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'

/policy-data/subs-to-notify:

get:

summary: Retrieves the list of Individual Policy Data Subscription resources

operationId: ReadPolicyDataSubscriptions

tags:

- PolicyDataSubscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

parameters:

- name: mon-resources

in: query

style: form

explode: false

description: List of monitored resources whose subscriptions are requested.

required: false

schema:

type: array

items:

type: string

description: Contains the apiSpecificResourceUriPart of the resource URI.

minItems: 1

- name: ue-id

in: query

description: Represents the Subscription Identifier SUPI or GPSI.

required: false

schema:

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

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: >

Upon success, a response body containing a list of Individual Policy Data

Subscription resources shall be returned.

content:

application/json:

schema:

type: array

items:

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

'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'

'503':

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

default:

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

post:

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

operationId: CreateIndividualPolicyDataSubscription

tags:

- PolicyDataSubscriptions (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data:subs-to-notify

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

requestBody:

required: true

content:

application/json:

schema:

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

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/PolicyDataSubscription'

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:

policyDataChangeNotification:

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

post:

requestBody:

required: true

content:

application/json:

schema:

type: array

items:

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

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'

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

parameters:

- name: subsId

in: path

required: true

schema:

type: string

get:

summary: Retrieves Individual Policy Subscription data

operationId: ReadIndividualPolicySubscriptionData

tags:

- IndividualPolicySubscriptionData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

responses:

'200':

description: >

Upon success, a response body containing Policy Data Subscription shall be returned.

content:

application/json:

schema:

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

'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 a subscription to receive notification of policy data changes

operationId: ReplaceIndividualPolicyDataSubscription

tags:

- IndividualPolicyDataSubscription (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

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

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'200':

description: The individual subscription resource was updated successfully.

content:

application/json:

schema:

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

'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 Policy Data subscription

operationId: DeleteIndividualPolicyDataSubscription

tags:

- IndividualPolicyDataSubscription (Document)

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'

/policy-data/ues/{ueId}/operator-specific-data:

get:

summary: Retrieve the operator specific policy data of an UE

operationId: ReadOperatorSpecificData

tags:

- OperatorSpecificData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:operator-specific-data:read

parameters:

- name: ueId

in: path

description: UE Id

required: true

schema:

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

- name: fields

in: query

description: attributes to be retrieved

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Expected response to a valid request

content:

application/json:

schema:

type: object

additionalProperties:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

'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'

patch:

summary: Modify the operator specific policy data of a UE

operationId: UpdateOperatorSpecificData

tags:

- OperatorSpecificData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:operator-specific-data:modify

parameters:

- name: ueId

in: path

description: UE Id

required: true

schema:

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

requestBody:

content:

application/json-patch+json:

schema:

type: array

items:

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

required: true

responses:

'204':

description: No content. Response to successful modification.

'200':

description: Expected response to a valid request

content:

application/json:

schema:

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

'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'

put:

summary: Create or modify the operator specific policy data of a UE

operationId: ReplaceOperatorSpecificData

tags:

- OperatorSpecificData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:operator-specific-data:create

parameters:

- name: ueId

in: path

description: UE Id

required: true

schema:

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

requestBody:

required: true

content:

application/json:

schema:

type: object

additionalProperties:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

responses:

'200':

description: OK

content:

application/json:

schema:

type: object

additionalProperties:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

'201':

description: >

Successful case. When the feature OSDResource\_Create\_Delete is supported

and the resource has been successfully created, a response body containing a

representation of the created OperatorSpecificData resource shall be returned.

content:

application/json:

schema:

type: object

additionalProperties:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

headers:

Location:

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

required: true

schema:

type: string

'204':

description: The resource has been successfully updated.

'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: When the feature OSDResource\_Create\_Delete is supported, delete OperatorSpecificData resource

operationId: DeleteOperatorSpecificData

tags:

- OperatorSpecificData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:ues:operator-specific-data:modify

parameters:

- name: ueId

in: path

required: true

schema:

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

responses:

'204':

description: Successful case. The resource has been successfully 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'

/policy-data/plmns/{plmnId}/ue-policy-set:

parameters:

- name: plmnId

in: path

required: true

schema:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/VarPlmnId'

get:

summary: Retrieve the UE policy set data for an H-PLMN

operationId: ReadPlmnUePolicySet

tags:

- PlmnUePolicySet (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:plmns:ue-policy-set:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing UE policies shall be returned.

content:

application/json:

schema:

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

'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'

'412':

$ref: 'TS29571\_CommonData.yaml#/components/responses/412'

'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'

/policy-data/slice-control-data/{snssai}:

parameters:

- name: snssai

in: path

required: true

schema:

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

get:

summary: Retrieves a network Slice specific policy control data resource

operationId: ReadSlicePolicyControlData

tags:

- SlicePolicyControlData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:slice-control-data:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: >

Successful case. The network slice specific policy control data shall be returned.

content:

application/json:

schema:

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

'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'

patch:

summary: Modify a network Slice specific policy control data resource

operationId: UpdateSlicePolicyControlData

tags:

- SlicePolicyControlData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:slice-control-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: >

The resource has been successfully updated and a response body containing network

slice specific policy control data shall be returned.

content:

application/json:

schema:

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

'204':

description: >

The resource has been successfully updated 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'

/policy-data/mbs-session-pol-data/{polSessionId}:

parameters:

- name: polSessionId

description: >

Represents the identifier of the MBS Session Policy Control Data.

in: path

required: true

schema:

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

get:

summary: Retrieve MBS Session Policy Control Data for an MBS Session.

operationId: GetMBSSessPolCtrlData

tags:

- MBSSessionPolicyControlData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:mbs-session-pol-data:read

responses:

'200':

description: >

OK. The requested MBS Session Policy Control Data is successfully returned.

content:

application/json:

schema:

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

'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'

/policy-data/pdtq-data:

get:

summary: Retrieves the PDTQ data collection

operationId: ReadPdtqData

tags:

- PdtqData (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:pdtq-data:read

parameters:

- name: pdtq-ref-ids

in: query

description: List of the PDTQ reference identifiers.

required: false

schema:

type: array

items:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/PdtqReferenceId'

minItems: 1

style: form

explode: false

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing the PDTQ data shall be returned.

content:

application/json:

schema:

type: array

items:

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

'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'

/policy-data/pdtq-data/{pdtqReferenceId}:

parameters:

- name: pdtqReferenceId

in: path

required: true

schema:

type: string

get:

summary: Retrieves the PDTQ data information associated with a PDTQ reference Id

operationId: ReadIndividualPdtqData

tags:

- IndividualPdtqData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:pdtq-data:read

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: Upon success, a response body containing the PDTQ data shall be returned.

content:

application/json:

schema:

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

'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: Creates a PDTQ data resource associated with a PDTQ reference Id

operationId: CreateIndividualPdtqData

tags:

- IndividualPdtqData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:pdtq-data:create

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: Successful case. The resource has been successfully created.

content:

application/json:

schema:

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

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'

'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: Modifies a PDTQ data resource associated with a PDTQ reference Id

operationId: UpdateIndividualPdtqData

tags:

- IndividualPdtqData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:pdtq-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: Expected response to a valid request

content:

application/json:

schema:

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

'204':

description: >

Successful case. The resource has been successfully updated 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: Deletes a PDTQ data resource associated with a PDTQ reference Id

operationId: DeleteIndividualPdtqData

tags:

- IndividualPdtqData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:pdtq-data:modify

responses:

'204':

description: Successful case. The resource has been successfully 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'

/policy-data/group-control-data/{intGroupId}:

parameters:

- name: intGroupId

in: path

required: true

description: >

Represents the identifier of the internal group of subscriber(s).

schema:

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

get:

summary: Retrieves group specific policy control data.

operationId: ReadGroupPolCtrlData

tags:

- GroupPolicyControlData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:group-control-data:read

parameters:

- name: supp-feat

in: query

description: Represents the supported features.

required: false

schema:

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

responses:

'200':

description: >

Successful case. The requested group specific policy control data for the

targeted 5G VN group shall be returned.

content:

application/json:

schema:

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

'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'

'503':

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

default:

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

patch:

summary: Modify existing group specific policy control data.

operationId: ModifyGroupPolCtrlData

tags:

- GroupPolicyControlData (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:policy-data

- nudr-dr:policy-data:group-control-data:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: >

The resource is successfully modified and a representation of the updated resource

(i.e., updated group specific policy control data) is returned in the response body.

content:

application/json:

schema:

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

'204':

description: >

The resource is successfully modified and no content is returned in the response body.

'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'

'503':

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

default:

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

components:

schemas:

PolicyDataForIndividualUe:

description: Contains policy data for a given subscriber.

type: object

properties:

uePolicyDataSet:

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

smPolicyDataSet:

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

amPolicyDataSet:

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

umData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains UM policies. The value of the limit identifier is used as the key of the map.

operatorSpecificDataSet:

type: object

additionalProperties:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

minProperties: 1

description: >

Contains Operator Specific Data resource data. The key of the map is operator

specific data element name and the value is the operator specific data of the UE.

suppFeat:

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

AmPolicyData:

description: Contains the AM policy data for a given subscriber.

type: object

properties:

praInfos:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains Presence reporting area information. The praId attribute within the

PresenceInfo data type is the key of the map.

subscCats:

type: array

items:

type: string

minItems: 1

chfInfo:

$ref: 'TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/ChargingInformation'

subscSpendingLimits:

type: boolean

description: >

Indicates whether the PCF must enforce Access and Mobility management related

policies based on subscriber spending limits.

spendLimInfo:

type: object

additionalProperties:

$ref: 'TS29594\_Nchf\_SpendingLimitControl.yaml#/components/schemas/PolicyCounterInfo'

minProperties: 1

description: >

Contains the status of the requested policy counters for UE.

The key of the map is the attribute policyCounterId.

suppFeat:

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

UePolicySet:

description: Contains the UE policy data for a given subscriber.

type: object

properties:

praInfos:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains Presence reporting area information. The praId attribute within the

PresenceInfo data type is the key of the map.

subscCats:

type: array

items:

type: string

minItems: 1

uePolicySections:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains the UE Policy Sections. The UE Policy Section Identifier is used as

the key of the map.

upsis:

type: array

items:

type: string

minItems: 1

allowedRouteSelDescs:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains allowed route selection descriptors per serving PLMN for a UE.

The serving PLMN identifier is the key of the map.

andspInd:

type: boolean

epsUrspInd:

type: boolean

description: Indication of UE supporting URSP provisioning in EPS.

vpsUrspInd:

type: boolean

description: Indication of UE supporting VPLMN-specific URSP.

urspEnfInd:

type: boolean

description: Indication of UE supporting URSP enforcement report.

pei:

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

osIds:

type: array

items:

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

minItems: 1

chfInfo:

$ref: 'TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/ChargingInformation'

subscSpendingLimits:

type: boolean

description: >

Indicates whether the PCF must enforce UE policies based on subscriber spending limits.

spendLimInfo:

type: object

additionalProperties:

$ref: 'TS29594\_Nchf\_SpendingLimitControl.yaml#/components/schemas/PolicyCounterInfo'

minProperties: 1

description: >

Contains the status of the requested policy counters for UE.

The key of the map is the attribute policyCounterId.

tracingReq:

type: array

items:

type: string

minItems: 1

description: >

Tracing requirements as defined in TS 32.421 [26]

suppFeat:

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

resetIds:

type: array

items:

type: string

minItems: 1

UePolicySetPatch:

description: Contains the UE policy set for a given subscriber.

type: object

properties:

uePolicySections:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains the UE Policy Sections. The UE Policy Section Identifier is used

as the key of the map.

upsis:

type: array

items:

type: string

minItems: 1

andspInd:

type: boolean

epsUrspInd:

type: boolean

description: Indication of UE supporting URSP provisioning in EPS.

vpsUrspInd:

type: boolean

description: Indication of UE supporting VPLMN-specific URSP.

urspEnfInd:

type: boolean

description: Indication of UE supporting URSP enforcement report.

pei:

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

osIds:

type: array

items:

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

minItems: 1

UePolicySection:

description: Contains the UE policy section.

type: object

properties:

uePolicySectionInfo:

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

upsi:

type: string

required:

- uePolicySectionInfo

- upsi

SmPolicyData:

description: Contains the SM policy data for a given subscriber.

type: object

properties:

smPolicySnssaiData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains Session Management Policy data per S-NSSAI for all the SNSSAIs

of the subscriber. The key of the map is the S-NSSAI.

umDataLimits:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains a list of usage monitoring profiles associated with the subscriber.

The limit identifier is used as the key of the map.

umData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains the remaining allowed usage data associated with the subscriber.

The limit identifier is used as the key of the map.

suppFeat:

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

required:

- smPolicySnssaiData

SmPolicySnssaiData:

description: Contains the SM policy data for a given subscriber and S-NSSAI.

type: object

properties:

snssai:

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

smPolicyDnnData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Session Management Policy data per DNN for all the DNNs of the indicated S-NSSAI.

The key of the map is the DNN.

ueSliceMbr:

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

required:

- snssai

SmPolicyDnnData:

description: Contains the SM policy data for a given DNN (and S-NSSAI).

type: object

properties:

dnn:

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

allowedServices:

type: array

items:

type: string

minItems: 1

subscCats:

type: array

items:

type: string

minItems: 1

gbrUl:

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

gbrDl:

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

adcSupport:

type: boolean

subscSpendingLimits:

type: boolean

description: >

Indicates whether the PCF must enforce session management related policies based

on subscriber spending limits.

spendLimInfo:

type: object

additionalProperties:

$ref: 'TS29594\_Nchf\_SpendingLimitControl.yaml#/components/schemas/PolicyCounterInfo'

minProperties: 1

description: >

Contains the status of the requested policy counters for the PDU session.

The key of the map is the attribute policyCounterId.

ipv4Index:

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

ipv6Index:

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

offline:

type: boolean

online:

type: boolean

chfInfo:

$ref: 'TS29512\_Npcf\_SMPolicyControl.yaml#/components/schemas/ChargingInformation'

refUmDataLimitIds:

type: object

additionalProperties:

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

minProperties: 1

description: >

A reference to the UsageMonDataLimit or UsageMonData instances for this DNN and SNSSAI

that may also include the related monitoring key(s).

The key of the map is the limit identifier.

mpsPriority:

type: boolean

mcsPriority:

type: boolean

imsSignallingPrio:

type: boolean

mpsPriorityLevel:

type: integer

mcsPriorityLevel:

type: integer

praInfos:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains Presence reporting area information. The praId attribute within the

PresenceInfo data type is the key of the map.

bdtRefIds:

type: object

additionalProperties:

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

minProperties: 1

description: >

Identifies transfer policies of background data transfer. Any string value can

be used as a key of the map.

nullable: true

locRoutNotAllowed:

type: boolean

sfcNotAllowed:

type: boolean

tnaps:

type: array

items:

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

minItems: 1

description: Contains the TNAP IDs collocated with the 5G-RG(s) of a specific user.

required:

- dnn

UsageMonDataLimit:

description: Contains usage monitoring control data for a subscriber.

type: object

properties:

limitId:

type: string

scopes:

type: object

additionalProperties:

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

minProperties: 1

description: >

Identifies the SNSSAI and DNN combinations to which the usage monitoring data

limit applies. The S-NSSAI is the key of the map.

umLevel:

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

startDate:

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

endDate:

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

usageLimit:

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

resetPeriod:

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

required:

- limitId

UsageMonData:

description: Contains remain allowed usage data for a subscriber.

type: object

properties:

limitId:

type: string

scopes:

type: object

additionalProperties:

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

minProperties: 1

description: >

Identifies the SNSSAI and DNN combinations for remain allowed usage data

for a subscriber. The S-NSSAI is the key of the map.

umLevel:

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

allowedUsage:

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

resetTime:

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

suppFeat:

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

resetIds:

type: array

items:

type: string

minItems: 1

required:

- limitId

LimitIdToMonitoringKey:

description: >

Contains the limit identifier and the corresponding monitoring key for a given

S-NSSAI and DNN.

type: object

properties:

limitId:

type: string

monkey:

type: array

items:

type: string

minItems: 1

required:

- limitId

nullable: true

UsageMonDataScope:

description: >

Contains a SNSSAI and DNN combinations to which the UsageMonData instance belongs to.

type: object

properties:

snssai:

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

dnn:

type: array

items:

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

minItems: 1

required:

- snssai

TimePeriod:

description: Contains the periodicity for the defined usage monitoring data limits.

type: object

properties:

period:

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

maxNumPeriod:

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

required:

- period

SponsorConnectivityData:

description: >

Contains the sponsored data connectivity related information for a sponsor identifier.

type: object

properties:

aspIds:

type: array

items:

type: string

suppFeat:

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

required:

- aspIds

BdtData:

description: Contains the background data transfer data.

type: object

properties:

aspId:

type: string

transPolicy:

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

bdtRefId:

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

nwAreaInfo:

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

numOfUes:

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

volPerUe:

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

dnn:

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

snssai:

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

trafficDes:

$ref: 'TS29122\_ResourceManagementOfBdt.yaml#/components/schemas/TrafficDescriptor'

bdtpStatus:

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

warnNotifEnabled:

type: boolean

description: >

Indicates whether the BDT warning notification is enabled (true) or not (false).

Default value is false.

notifUri:

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

suppFeat:

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

resetIds:

type: array

items:

type: string

minItems: 1

required:

- aspId

- transPolicy

PolicyDataSubscription:

description: Identifies a subscription to policy data change notification.

type: object

properties:

notificationUri:

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

notifId:

type: string

monitoredResourceUris:

type: array

items:

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

monResItems:

type: array

items:

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

minItems: 1

excludedResItems:

type: array

items:

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

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/PolicyDataChangeNotification'

minItems: 1

description: Immediate report with existing UDR entries.

expiry:

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

supportedFeatures:

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

resetIds:

type: array

items:

type: string

minItems: 1

subsId:

type: string

required:

- notificationUri

- monitoredResourceUris

PolicyDataChangeNotification:

description: Contains changed policy data for which notification was requested.

type: object

properties:

amPolicyData:

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

uePolicySet:

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

plmnUePolicySet:

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

smPolicyData:

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

usageMonData:

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

SponsorConnectivityData:

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

bdtData:

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

opSpecData:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

opSpecDataMap:

type: object

additionalProperties:

$ref: 'TS29505\_Subscription\_Data.yaml#/components/schemas/OperatorSpecificDataContainer'

minProperties: 1

description: >

Operator Specific Data resource data, if changed and notification was requested.

The key of the map is operator specific data element name and the value is the

operator specific data of the UE.

ueId:

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

sponsorId:

type: string

bdtRefId:

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

usageMonId:

type: string

plmnId:

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

delResources:

type: array

items:

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

minItems: 1

notifId:

type: string

reportedFragments:

type: array

items:

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

minItems: 1

slicePolicyData:

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

snssai:

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

pdtqData:

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

pdtqRefId:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/PdtqReferenceId'

groupPolicyData:

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

intGroupId:

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

PlmnRouteSelectionDescriptor:

description: >

Contains the route selection descriptors (combinations of SNSSAI, DNNs, PDU session types,

SSC modes and ATSSS information) allowed by subscription to the UE for a serving PLMN

type: object

properties:

servingPlmn:

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

snssaiRouteSelDescs:

type: array

items:

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

minItems: 1

required:

- servingPlmn

SnssaiRouteSelectionDescriptor:

description: >

Contains the route selector parameters (DNNs, PDU session types, SSC modes and ATSSS

information) per SNSSAI

type: object

properties:

snssai:

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

dnnRouteSelDescs:

type: array

items:

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

minItems: 1

required:

- snssai

DnnRouteSelectionDescriptor:

description: >

Contains the route selector parameters (PDU session types, SSC modes and ATSSS

information) per DNN

type: object

properties:

dnn:

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

sscModes:

type: array

items:

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

minItems: 1

pduSessTypes:

type: array

items:

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

minItems: 1

atsssInfo:

description: >

Indicates whether MA PDU session establishment is allowed for this DNN.

When set to value true MA PDU session establishment is allowed for this DNN.

type: boolean

default: false

lboRoamAllowed:

type: boolean

description: >

Indicates whether LBO for the DNN and S-NSSAI is allowed when roaming.

required:

- dnn

SmPolicyDataPatch:

description: Contains the SM policy data for a given subscriber.

type: object

properties:

umData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains the remaining allowed usage data associated with the subscriber.

The value of the limit identifier is used as the key of the map.

nullable: true

smPolicySnssaiData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Modifiable Session Management Policy data per S-NSSAI for all the SNSSAIs

of the subscriber. The key of the map is the S-NSSAI.

SmPolicySnssaiDataPatch:

description: Contains the SM policy data for a given subscriber and S-NSSAI.

type: object

properties:

snssai:

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

smPolicyDnnData:

type: object

additionalProperties:

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

minProperties: 1

description: >

Modifiable Session Management Policy data per DNN for all the DNNs of the

indicated S-NSSAI. The key of the map is the DNN.

required:

- snssai

SmPolicyDnnDataPatch:

description: Contains the SM policy data for a given DNN (and S-NSSAI).

type: object

properties:

dnn:

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

bdtRefIds:

type: object

additionalProperties:

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

minProperties: 1

description: >

Contains updated transfer policies of background data transfer.

Any string value can be used as a key of the map.

nullable: true

required:

- dnn

ResourceItem:

description: >

Identifies a subscription to policy data change notification when the change occurs

in a fragment (subset of resource data) of a given resource.

type: object

properties:

monResourceUri:

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

items:

type: array

items:

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

minItems: 1

required:

- monResourceUri

- items

NotificationItem:

description: >

Identifies a data change notification when the change occurs in a fragment

(subset of resource data) of a given resource.

type: object

properties:

resourceId:

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

notifItems:

type: array

items:

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

minItems: 1

required:

- resourceId

- notifItems

UpdatedItem:

description: Identifies a fragment of a resource.

type: object

properties:

item:

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

value: {}

required:

- item

- value

BdtDataPatch:

description: Contains the modified background data transfer data.

type: object

properties:

transPolicy:

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

bdtpStatus:

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

warnNotifEnabled:

type: boolean

description: >

Indicates whether the BDT warning notification is enabled (true) or not (false).

SlicePolicyData:

description: Contains the network slice specific policy control information.

type: object

properties:

mbrUl:

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

mbrDl:

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

remainMbrUl:

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

remainMbrDl:

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

suppFeat:

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

SlicePolicyDataPatch:

description: Contains the modified network slice specific policy control information.

type: object

properties:

remainMbrUl:

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

remainMbrDl:

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

oneOf:

- required: [remainMbrUl]

- required: [remainMbrDl]

MbsSessPolCtrlData:

description: Represents MBS Session Policy Control Data.

type: object

properties:

5qis:

type: array

items:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/5Qi'

minItems: 1

maxMbsArpLevel:

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

maxMbsSessionAmbr:

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

maxGbr:

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

suppFeat:

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

MbsSessPolDataId:

description: Represents the identifier used to access the MBS Session Policy Control Data.

type: object

properties:

mbsSessionId:

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

afAppId:

type: string

oneOf:

- required: [mbsSessionId]

- required: [afAppId]

PdtqData:

description: Contains the planned data transfer data with QoS requirements.

type: object

properties:

aspId:

type: string

pdtqPolicy:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/PdtqPolicy'

appId:

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

pdtqRefId:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/PdtqReferenceId'

nwAreaInfo:

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

numOfUes:

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

desTimeInts:

type: array

items:

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

minItems: 1

description: Identifies the time interval(s).

dnn:

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

snssai:

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

altQosParamSets:

type: array

items:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/AltQosParamSet'

minItems: 1

description: >

Contains the alternative QoS requirements as a list of individual QoS parameter

sets in a prioritized order.

altQosRefs:

type: array

items:

type: string

minItems: 1

description: >

Contains the alternative QoS requirements as the list of QoS references in a

prioritized order.

qosParamSet:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/QosParameterSet'

qosReference:

type: string

description: >

Requested QoS requirements expressed as the QoS Reference which represents

a pre-defined QoS information.

notifUri:

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

warnNotifEnabled:

type: boolean

description: >

Indicates whether the PDTQ warning notification is enabled (true) or not (false).

Default value is false.

suppFeat:

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

resetIds:

type: array

items:

type: string

minItems: 1

required:

- aspId

- pdtqPolicy

PdtqDataPatch:

description: Contains the modified planned data transfer data with QoS requirements.

type: object

properties:

pdtqPolicy:

$ref: 'TS29543\_Npcf\_PDTQPolicyControl.yaml#/components/schemas/PdtqPolicy'

warnNotifEnabled:

type: boolean

description: >

Indicates whether the PDTQ warning notification is enabled (true) or not (false).

notifUri:

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

GroupPolicyData:

description: Contains the group specific policy control data information.

type: object

properties:

maxGroupMbrUl:

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

maxGroupMbrDl:

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

remainGroupMbrUl:

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

remainGroupMbrDl:

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

suppFeat:

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

GroupPolicyDataPatch:

description: >

Contains the requested modifications to the group specific policy control data

information.

type: object

properties:

maxGroupMbrUl:

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

maxGroupMbrDl:

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

remainGroupMbrUl:

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

remainGroupMbrDl:

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

anyOf:

- required: [maxGroupMbrUl]

- required: [maxGroupMbrDl]

- required: [remainGroupMbrUl]

- required: [remainGroupMbrDl]

# SIMPLE TYPES:

IpIndex:

description: >

Represents information that identifies which IP pool or external server

is used to allocate the IP address.

type: integer

OsId:

description: Represents the Operating System of the served UE.

type: string

format: uuid

ItemPath:

description: Identifies a fragment (subset of resource data) of a given resource.

type: string

BdtReferenceIdRm:

type: string

description: >

This data type is defined in the same way as the BdtReferenceId data type defined in

3GPP TS 29.122, but with the nullable property set to true.

nullable: true

# ENUMS:

UsageMonLevel:

description: Represents the usage monitoring level.

anyOf:

- type: string

enum:

- SESSION\_LEVEL

- SERVICE\_LEVEL

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

Periodicity:

description: Represents the time period.

anyOf:

- type: string

enum:

- YEARLY

- MONTHLY

- WEEKLY

- DAILY

- HOURLY

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

BdtPolicyStatus:

description: Indicates the validation status of a negotiated BDT policy.

anyOf:

- type: string

enum:

- INVALID

- VALID

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

PolicyDataSubset:

description: Indicates a policy data subset.

anyOf:

- type: string

enum:

- AM\_POLICY\_DATA

- SM\_POLICY\_DATA

- UE\_POLICY\_DATA

- UM\_DATA

- OPERATOR\_SPECIFIC\_DATA

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

\* \* \* \* 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

© 2024, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TSDSI, TTA, TTC).

All rights reserved.

externalDocs:

description: >

3GPP TS 29.519 V18.5.0; 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

- name: roam-ue-plmn-ids

in: query

description: >

Each element identifies a PLMN.

required: false

schema:

type: array

items:

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

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: roam-ue-net-descs

in: query

description: >

Each element identifies oner or more PLMNs for a roaming UE.

required: false

schema:

type: array

items:

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

minItems: 1

- 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/af-qos-data-sets:

get:

summary: Retrieve one or several existing Individual AF Requested QoS Data Set resource(s).

operationId: ReadAFReqQoSDataSets

tags:

- AF Requested QoS Data Sets (Collection)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:af-qos-data-sets:read

parameters:

- 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 network slice.

required: false

content:

application/json:

schema:

type: array

items:

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

minItems: 1

- name: int-group-ids

in: query

description: Each element identifies a group of subscriber(s).

required: false

schema:

type: array

items:

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

minItems: 1

- name: supis

in: query

description: Each element identifies a subscriber.

required: false

schema:

type: array

items:

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

minItems: 1

- name: data-set-ids

in: query

description: Each element identifies an Individual AF requested QoS Data Set resource.

required: false

schema:

type: array

items:

type: string

minItems: 1

- name: supp-feat

in: query

required: false

description: Supported Features

schema:

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

responses:

'200':

description: >

The requested Individual AF requested QoS Data Set resource(s) are returned.

If there are no Individual AF Requested QoS Data Set resource(s) matching the provided

query parameter(s), an empty array shall be returned.

content:

application/json:

schema:

type: array

items:

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

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/af-qos-data-sets/{afReqQosId}:

parameters:

- name: afReqQosId

in: path

description: >

Represents the identifier of the Individual AF Requested QoS Data Set resource.

required: true

schema:

type: string

put:

summary: Create or update an Individual AF Requested QoS Data Set resource.

operationId: CreateOrUpdateIndAFReqQoSDataSet

tags:

- Individual AF Requested QoS Data Set (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:af-qos-data-sets:create

requestBody:

required: true

content:

application/json:

schema:

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

responses:

'201':

description: >

Created. The Individual AF Requested QoS Data Set resource is successfully created and a

representation of the created resource shall be returned in the response body.

content:

application/json:

schema:

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

headers:

Location:

description: >

Contains the URI of the newly created resource.

required: true

schema:

type: string

'200':

description: >

OK. The Individual AF Requested QoS Data Set resource is successfully updated and a

representation of the updated resource shall be returned in the response body.

content:

application/json:

schema:

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

'204':

description: >

No Content. The Individual AF Requested QoS Data Set resource is successfully updated

and no content is returned in the response body.

'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 of an existing Individual AF Requested QoS Data Set resource

operationId: ModifyIndAFReqQoSDataSet

tags:

- Individual AF requested QoS Data Set (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:af-qos-data-sets:modify

requestBody:

required: true

content:

application/merge-patch+json:

schema:

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

responses:

'200':

description: >

OK. The Individual AF Requested QoS Data Set resource is successfully modified and a

representation of the updated resource shall be returned in the response body.

content:

application/json:

schema:

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

'204':

description: >

No Content. The Individual AF Requested QoS Data Set resource is successfully modified

and no content is returned in the response body.

'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 existing Individual AF requested QoS Data Set resource

operationId: DeleteIndAFReqQoSDataSet

tags:

- Individual AF requested QoS Data Set (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:af-qos-data-sets:modify

responses:

'204':

description: >

No Content. The Individual AF requested QoS Data Set is successfully 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'

/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 deleted.

It shall apply the format of Data type string.

required: true

schema:

type: string

responses:

'204':

description: The Individual EAS Deployment 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'

/application-data/dnai-eas-mappings/{dnai}:

parameters:

- name: dnai

in: path

required: true

schema:

type: string

get:

summary: Retrieves the EAS address information for a DNAI.

operationId: ReadDnaiEasMapping

tags:

- DnaiEasMapping (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

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

parameters:

- name: supp-feat

in: query

description: Supported Features

required: false

schema:

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

responses:

'200':

description: >

Upon success, a response body containing EAS address information for a DNAI

is returned.

content:

application/json:

schema:

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

'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/ecs-address-roaming:

get:

summary: Retrieve ECS Address Roaming Data

operationId: ReadEcsRoamingData

tags:

- ECS Address Roaming Data (Store)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:ecs-address-roaming:read

parameters:

- name: internal-group-id

in: query

description: Identifies a group of users.

required: false

schema:

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

- name: any-ue

in: query

description: >

Indicates that any UE is targetted if included and set to true, otherwise set to false.

Default value is false if omitted.

required: false

schema:

type: boolean

responses:

'200':

description: The ECS Address Roaming Data stored in the UDR are returned.

content:

application/json:

schema:

type: array

items:

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

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/ecs-address-roaming/{ecsAddrInfoId}:

get:

summary: Retrieve an individual ECS Address Roaming Data resource

operationId: ReadIndividualEcsAddr

tags:

- Individual ECS Address Roaming Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:ecs-address-roaming:read

parameters:

- name: ecsAddrInfoId

description: >

String identifying an Individual ECS Address Roaming Data resource.

in: path

required: true

schema:

type: string

responses:

'200':

description: >

The ECS Address Roaming Data stored in the UDR for an Individual ECS Address Roaming

Data resource is returned.

content:

application/json:

schema:

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

'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 ECS Address Roaming Data resource

operationId: CreateOrReplaceIndividualEcsAddressData

tags:

- Individual ECS Address Roaming Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:ecs-address-roaming:create

requestBody:

required: true

content:

application/json:

schema:

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

parameters:

- name: ecsAddrInfoId

in: path

description: >

The Identifier of an Individual ECS Address Roaming Data to be created or updated.

required: true

schema:

type: string

responses:

'201':

description: >

The creation of an Individual EECS Address Roaming Data resource is confirmed

and a representation of that resource is returned.

content:

application/json:

schema:

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

headers:

Location:

description: >

Contains the URI of the newly created resource.

required: true

schema:

type: string

'200':

description: >

The update of an Individual ECS Address Roaming Data resource is confirmed

and a response body containing ECS Address Roaming Data is returned.

content:

application/json:

schema:

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

'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 ECS Address Roaming Data resource

operationId: DeleteIndividualEcsAddrData

tags:

- Individual ECS Address Roaming Data (Document)

security:

- {}

- oAuth2ClientCredentials:

- nudr-dr

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- oAuth2ClientCredentials:

- nudr-dr

- nudr-dr:application-data

- nudr-dr:application-data:ecs-address-roaming:modify

parameters:

- name: ecsAddrInfoId

in: path

description: >

The Identifier of an Individual ECS Address Roaming Data to be updated.

required: true

schema:

type: string

responses:

'204':

description: The Individual ECS Address Roaming 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 for DL traffic

sfcIdUl:

type: string

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

metadata:

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

traffCorreInd:

type: boolean

tfcCorreInfo:

$ref: '#/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:

description: Contains the headers provisioned by the NEF.

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]

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 for DL traffic

nullable: true

sfcIdUl:

type: string

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

nullable: true

metadata:

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

traffCorreInd:

type: boolean

tfcCorreInfo:

$ref: '#/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:

description: Contains the headers provisioned by the NEF.

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: [internalGroupIdsAdd]

- required: [supis]

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'

cachingTimer:

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

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

not:

required: [cachingTime,cachingTimer]

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

description: >

Identifies whether the service parameters applies to any non roaming UE.

roamUeNetDescs:

type: array

items:

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

minItems: 1

description: Each element identifies one or more PLMN IDs of inbound roamers.

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'

paramForProSeU2URelUe:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2URelUe'

paramForProSeEndUe:

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

urspGuidance:

type: array

items:

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

minItems: 1

description: >

Contains the service parameter used to guide the URSP and/or VPLMN specific URSP.

tnaps:

type: array

items:

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

minItems: 1

description: Contains the TNAP IDs collocated with the 5G-RG(s) of a specific user.

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:

description: Contains the headers provisioned by the NEF.

type: array

items:

type: string

minItems: 1

resetIds:

type: array

items:

type: string

minItems: 1

paramForRangingSlPos:

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

mappingInfo:

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

ServiceParameterDataPatch:

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

type: object

properties:

paramOverPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParameterOverPc5Rm'

paramOverUu:

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

a2xParamsPc5:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/A2xParamsPc5Rm'

paramForProSeDd:

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

paramForProSeDc:

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

paramForProSeU2NRelUe:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2NRelUeRm'

paramForProSeRemUe:

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

paramForProSeU2URelUE:

$ref: 'TS29522\_ServiceParameter.yaml#/components/schemas/ParamForProSeU2URelUeRm'

paramForProSeEndUe:

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

urspInfluence:

type: array

items:

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

minItems: 1

deprecated: true

description: Contains the service parameter used to influence the URSP. This attribute is

deprecated by the urspGuidance attribute.

urspGuidance:

type: array

items:

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

minItems: 1

nullable: true

description: >

Contains the service parameter used to influence the URSP and/or VPLMN specific URSP.

tnaps:

type: array

items:

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

minItems: 1

description: Contains the TNAP IDs collocated with the 5G-RG(s) of a specific user.

nullable: true

deliveryEvents:

type: array

items:

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

minItems: 1

nullable: true

description: Contains the outcome of the UE Policy Delivery.

policDelivNotifUri:

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

headers:

description: Contains the headers provisioned by the NEF.

type: array

items:

type: string

minItems: 1

paramForRangingSlPos:

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

mappingInfo:

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

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: >

When set to true, it indicates whether the data is applicable for any UE. Otherwise set

to "false". Default value is "false" if omitted.

roamUePlmnIds:

type: array

items:

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

minItems: 1

description: >

Indicates a list of PLMNs representing the home PLMN for the inbound roaming

UEs in LBO roaming scenario.

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: >

When set to true, it indicates whether high throughput is desired for the

indicated UE traffic. Otherwise set to "false". Default value is "false" if omitted.

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]

- required: [roamUePlmnIds]

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'

dnaiEasData:

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

afReqQosData:

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

ecsAddrData:

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

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

dnais:

type: array

items:

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

minItems: 1

required:

- dataInd

TrafficCorrelationInfo:

description: >

Contains the information for traffic correlation.

type: object

properties:

corrType:

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

tfcCorrId:

type: string

description: >

Identification of a set of UEs accessing the application identified by the

Application Identifier or traffic filtering information.

comEasIpv4Addr:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv4AddrRm'

comEasIpv6Addr:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/Ipv6AddrRm'

fqdnRange:

type: array

items:

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

minItems: 1

nullable: true

notifUri:

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

notifCorrId:

type: string

nullable: true

description: Notification correlation identifier.

nullable: true

AfRequestedQosData:

description: Represents AF Requested QoS data.

type: object

properties:

supi:

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

interGroupId:

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

afAppId:

type: string

description: Identifies an AF application.

dnn:

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

sliceInfo:

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

flowInfo:

type: array

items:

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

minItems: 1

ethFlowInfo:

type: array

items:

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

minItems: 1

enEthFlowInfo:

type: array

items:

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

minItems: 1

evSubsc:

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

qosReference:

type: string

qosReqs:

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

altSerReqs:

type: array

items:

type: string

minItems: 1

altSerReqsData:

type: array

items:

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

minItems: 1

description: >

Contains alternative service requirements that include individual QoS parameter sets.

disUeNotif:

type: boolean

description: >

true indicates to disable QoS flow parameters signalling to the UE.

false indicates not to disable QoS flow parameters signalling to the UE.

The default value is "false" if this attribute is absent and has not been previously

provisioned.

tempInValidity:

$ref: 'TS29565\_Ntsctsf\_QoSandTSCAssistance.yaml#/components/schemas/TemporalInValidity'

headers:

description: Contains the headers provisioned by the NEF.

type: array

items:

type: string

minItems: 1

suppFeat:

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

allOf:

- oneOf:

- required: [supi]

- required: [interGroupId]

- oneOf:

- required: [flowInfo]

- required: [ethFlowInfo]

- required: [enEthFlowInfo]

- oneOf:

- required: [qosReference]

- required: [qosReqs]

- not:

required: [qosReference, altQosReqs]

- not:

required: [altQosReqs, altQoSReferences]

AfRequestedQosDataPatch:

description: Represents the requested modifications to AF Requested QoS data.

type: object

properties:

afAppId:

type: string

description: Identifies an AF application.

nullable: true

evSubsc:

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

flowInfo:

type: array

items:

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

minItems: 1

nullable: true

ethFlowInfo:

type: array

items:

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

minItems: 1

enEthFlowInfo:

type: array

items:

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

minItems: 1

qosReference:

type: string

nullable: true

qosReqs:

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

altSerReqs:

type: array

items:

type: string

minItems: 1

nullable: true

altSerReqsData:

type: array

items:

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

minItems: 1

description: >

Contains removable alternative service requirements that include individual QoS

parameter sets.

nullable: true

disUeNotif:

type: boolean

description: >

true indicates to disable QoS flow parameters signalling to the UE.

false indicates not to disable QoS flow parameters signalling to the UE.

nullable: true

tempInValidity:

$ref: 'TS29565\_Ntsctsf\_QoSandTSCAssistance.yaml#/components/schemas/TemporalInValidity'

headers:

description: Contains the headers provisioned by the NEF.

type: array

items:

type: string

minItems: 1

DnaiEasMapping:

description: Contains DNAI to EAS mapping information.

type: object

properties:

dnaiEasInfos:

type: array

items:

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

minItems: 1

description: Each element conrtains EAS address information for a DNAI.

required:

- dnaiEasInfos

DnaiEasInfo:

description: Contains EAS information for a DNAI.

type: object

properties:

dnn:

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

snssai:

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

dnais:

type: array

items:

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

minItems: 1

description: DNAI(s) for the EAS Deployment Information.

easIpAddrs:

type: array

items:

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

minItems: 1

description: >

Each element contains EAS IP address(es), IP address ranges, and/or IPv6 prefixes.

fqdns:

type: array

items:

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

minItems: 1

description: Each element contains FQDN for the EAS(s) of a DNAI.

required:

- dnais

anyOf:

- required: [dnn]

- required: [snssai]

oneOf:

- required: [easIpAddrs]

- required: [fqdns]

EcsAddrData:

description: Represents ECS Address Data.

type: object

properties:

self:

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

ecsServerAddr:

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

spatialValidityCond:

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

anyUeInd:

type: boolean

description: >

If provided and set to true it indicates that all the UEs are targetted,

otherwise set to false. The default value is false if omitted.

internalGroupId:

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

suppFeat:

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

required:

- ecsServerAddr

QosRequirements:

description: Represents QoS requirements.

type: object

properties:

marBwUl:

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

marBwDl:

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

mirBwUl:

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

mirBwDl:

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

tsnQos:

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

tscaiTimeDom:

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

tscaiInputDl:

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

tscaiInputUl:

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

capBatAdaptation:

type: boolean

description: >

Indicates the capability for AF to adjust the burst sending time.

true means that the AF is capable to adjust the burst sending time.

false means that the AF is not capable to adjust the burst sending time.

The default value is false if omitted.

QosRequirementsRm:

description: Represents QoS requirements.

nullable: true

type: object

properties:

marBwUl:

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

marBwDl:

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

mirBwUl:

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

mirBwDl:

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

tsnQos:

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

tscaiTimeDom:

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

tscaiInputDl:

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

tscaiInputUl:

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

capBatAdaptation:

type: boolean

description: >

Indicates the capability for AF to adjust the burst sending time.

true means that the AF is capable to adjust the burst sending time.

false means that the AF is not capable to adjust the burst sending time.

The default value is false if omitted.

DataInd:

anyOf:

- type: string

enum:

- PFD

- IPTV

- BDT

- SVC\_PARAM

- AM

- DNAI\_EAS

- REQ\_QOS

- ECS

- 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.

- DNAI\_EAS: DNAI EAS mapping data.

- REQ\_QOS: AF Requested QoS data for a UE or group of UE(s) not identified by UE address(es).

- ECS: ECS Address data.

CorrelationType:

description: Indicates that a common DNAI or common EAS should be selected.

anyOf:

- type: string

enum:

- COMMON\_DNAI

- COMMON\_EAS

- type: string

description: >

This string provides forward-compatibility with future extensions to the enumeration

and is not used to encode content defined in the present version of this API.

\* \* \* \* End of changes \* \* \* \*