



PolicyData

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OpenAPI

OpenAPI Version: 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'

externalDocs

Description: 3GPP TS 29.519 V15.2.0; 5G System; Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure.

URL: 'http://www.3gpp.org/ftp/Specs/archive/29_series/29.519/'

paths

/application-data/pfds

get:

Parameters:

- name: appld

In: query

Description: Contains the information of the application identifier(s) for the querying PFD Data resource. If none appld is included in the URI, it applies to all application identifier(s) for the querying PFD Data resource.

Required/Optional: false

Schema:

Type: array

items:

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

Responses:

'200': A representation of PFDs for request applications is returned.

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: 'TS29551_Nnef_PFDmanagement.yaml#/components/schemas/PfdDataForApp'

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'406': Reference 'TS29571_CommonData.yaml#/components/responses/406'

'414': Reference 'TS29571_CommonData.yaml#/components/responses/414'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

/application-data/pfds/{appld}

get:

Parameters:

- name: appld

In: path

Description: Indicate the application identifier for the request pfd(s). It shall apply the format of Data type ApplicationId.

Required/Optional: true

Schema:

Type: string

Responses:

'200' A representation of PFDs for the request application identified by the application identifier is returned.

Content:

Application/JSON:

Schema:

Reference: 'TS29551_Nnef_PFDmanagement.yaml#/components/schemas/PfdDataForApp'

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'406': Reference 'TS29571_CommonData.yaml#/components/responses/406'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

delete:

Parameters:

- name: appld

In: path

Description: Indicate the application identifier for the request pfd(s).It shall apply the format of Data type ApplicationId.

Required/Optional: true

Schema:

Type: string

Responses:

'204' Successful case.The Individual PFD Data resource related to the application identifier was deleted.

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

put:

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: 'TS29551_Nnef_PFDmanagement.yaml#/components/schemas/PfdDataForApp'

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/Optional: true

Schema:

Type: string

Responses:

'201' 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:

Reference: 'TS29551_Nnef_PFDmanagement.yaml#/components/schemas/PfdDataForApp'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/v1/application-data/pfds/{application-identifier}'

Required/Optional: true

Schema:

Type: string

'200' 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:

Reference: 'TS29551_Nnef_PFDmanagement.yaml#/components/schemas/PfdDataForApp'

'204' No content

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'414': Reference 'TS29571_CommonData.yaml#/components/responses/414'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

/application-data/influenceData

get:

Parameters:

- name: influence-Ids

In: query

Description: Each element identifies a service.

Required/Optional: false

Schema:

Type: array

items:

Type: string

- name: dnns

In: query

Description: Each element identifies a DNN.

Required/Optional: false

Schema:

Type: array

items:

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

- name: snssais

In: query

Description: Each element identifies a slice.

Required/Optional: false

Schema:

Type: array

items:

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

- name: internal-Group-Ids

In: query

Description: Each element identifies a group of users.

Required/Optional: false

Schema:

Type: array

items:

Type: string

- name: supis

In: query

Description: Each element identifies the user.

Required/Optional: false

Schema:

Type: array

items:

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

Responses:

'200' The Traffic Influence Data stored in the UDR are returned.

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/TrafficInfluData'

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'
'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'
'406': Reference 'TS29571_CommonData.yaml#/components/responses/406'
'414': Reference 'TS29571_CommonData.yaml#/components/responses/414'
'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'
'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'
'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'
default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

/application-data/influenceData/{influenceId}

put:

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/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/Optional: true

Schema:

Type: string

Responses:

'201' The creation of an Individual Traffic Influence Data resource is confirmed and a representation of that resource is returned.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TrafficInfluData'

Headers:

Location:

Description: 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/nudr-dr/v1/application-data/influenceData/{influenceId}'

Required/Optional: true

Schema:

Type: string

'200' 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:

Reference: '#/components/schemas/TrafficInfluData'

'204' No content

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'414': Reference 'TS29571_CommonData.yaml#/components/responses/414'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

patch:

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/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/Optional: true

Schema:

Type: string

Responses:

'200' 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:

Reference: '#/components/schemas/TrafficInfluData'

'204' No content

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

delete:

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/Optional: true

Schema:

Type: string

Responses:

'204' The Individual Influence Data was deleted successfully.

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'
 '401': Reference 'TS29571_CommonData.yaml#/components/responses/401'
 '403': Reference 'TS29571_CommonData.yaml#/components/responses/403'
 '404': Reference 'TS29571_CommonData.yaml#/components/responses/404'
 '429': Reference 'TS29571_CommonData.yaml#/components/responses/429'
 '500': Reference 'TS29571_CommonData.yaml#/components/responses/500'
 '503': Reference 'TS29571_CommonData.yaml#/components/responses/503'
 default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

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

Method: Post

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TrafficInfluSub'

Responses:

'201' The subscription was created successfully.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TrafficInfluSub'

Headers:

Location:

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

Required/Optional: true

Schema:

Type: string

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'
 '401': Reference 'TS29571_CommonData.yaml#/components/responses/401'
 '403': Reference 'TS29571_CommonData.yaml#/components/responses/403'
 '404': Reference 'TS29571_CommonData.yaml#/components/responses/404'
 '411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'
'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'
'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'
'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'
'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'
default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

Callbacks:

trafficInfluenceDataChangeNotification:

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

Method: Post

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/TrafficInfluData'

minItems: 1

Responses:

'204' No Content, Notification was succesfull

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'
'403': Reference 'TS29122_CommonData.yaml#/components/responses/403'
'404': Reference 'TS29122_CommonData.yaml#/components/responses/404'
'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'
'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'
'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'
'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'
'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'
'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'
default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

get:

Parameters:

- name: dnn

In: query

Description: Identifies a DNN.

Required/Optional: false

Schema:

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

- name: snssai

In: query

Description: Identifies a slice.

Required/Optional: false

Schema:

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

- name: internal-Group-Id

In: query

Description: Identifies a group of users.

Required/Optional: false

Schema:

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

- name: supi

In: query

Description: Identifies a user.

Required/Optional: false

Schema:

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

Responses:

'200' The subscription information as request in the request URI query parameter(s) are returned.

Content:

Application/JSON:

Schema:

Type: array

items:

Reference: '#/components/schemas/TrafficInfluSub'

minItems: 0

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'
'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'
'406': Reference 'TS29571_CommonData.yaml#/components/responses/406'
'414': Reference 'TS29571_CommonData.yaml#/components/responses/414'
'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'
'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'
'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'
default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

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

get:

Parameters:

- name: subscriptionId

In: path

Description: String identifying a subscription to the Individual Influence Data Subscription

Required/Optional: true

Schema:

Type: string

Responses:

'200' The subscription information is returned.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TrafficInfluSub'

'400': Reference 'TS29571_CommonData.yaml#/components/responses/400'
'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'
'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'
'404': Reference 'TS29571_CommonData.yaml#/components/responses/404'
'406': Reference 'TS29571_CommonData.yaml#/components/responses/406'
'414': Reference 'TS29571_CommonData.yaml#/components/responses/414'
'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'
'500': Reference 'TS29571_CommonData.yaml#/components/responses/500'
'503': Reference 'TS29571_CommonData.yaml#/components/responses/503'
default: Reference 'TS29571_CommonData.yaml#/components/responses/default'

put:

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TrafficInfluSub'

Parameters:

- name: subscriptionId

In: path

Description: String identifying a subscription to the Individual Influence Data Subscription

Required/Optional: true

Schema:

Type: string

Responses:

'200' The subscription was updated successfully.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/TrafficInfluSub'

'204' No content

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'411': Reference 'TS29571_CommonData.yaml#/components/responses/411'

'413': Reference 'TS29571_CommonData.yaml#/components/responses/413'

'415': Reference 'TS29571_CommonData.yaml#/components/responses/415'

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

delete:

Parameters:

- name: subscriptionId

In: path

Description: String identifying a subscription to the Individual Influence Data Subscription

Required/Optional: true

Schema:

Type: string

Responses:

'204': The subscription was terminated successfully.

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

'401': Reference 'TS29571_CommonData.yaml#/components/responses/401'

'403': Reference 'TS29571_CommonData.yaml#/components/responses/403'

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

'429': Reference 'TS29571_CommonData.yaml#/components/responses/429'

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

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

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

components

schemas

TrafficInfluData

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:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/Dnn'**ethTrafficFilters:****Type:** array**Items:****Reference:** 'TS29514_Npcf_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'**minItems:** 1**Description:** Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.**snsai:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Snsai'**interGroupId:****Type:** string**Description:** Identifies a group of users.**supi:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Supi'**trafficFilters:****Type:** array**Items:****Reference:** '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:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/RouteToLocation'**minItems:** 1**Description:** Identifies the N6 traffic routing requirement.**validStartTime:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**validEndTime:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**nwAreaInfo:****Reference:** 'TS29554_Npcf_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

upPathChgNotifUri:**Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**Required:**

- trafficRoutes

allOf:

- oneOf:

- required: [afAppId]

- required: [trafficFilters]

- required: [ethTrafficFilters]

- oneOf:

- required: [supi]

- required: [interGroupId]

TrafficInfluDataPatch

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.**dnn:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Dnn'**ethTrafficFilters:****Type:** array**Items:****Reference:** 'TS29514_Npcf_PolicyAuthorization.yaml#/components/schemas/EthFlowDescription'**minItems:** 1**Description:** Identifies Ethernet packet filters. Either "trafficFilters" or "ethTrafficFilters" shall be included if applicable.**snssai:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Snssai'**internalGroupId:**

Type: string

Description: Identifies a group of users.

supi:

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

trafficFilters:

Type: array

Items:

Reference: '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:

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

minItems: 1

Description: Identifies the N6 traffic routing requirement.

validStartTime:

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

validEndTime:

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

nwAreaInfo:

Reference: 'TS29554_Npcf_BDTPolicyControl.yaml#/components/schemas/NetworkAreaInfo'

upPathChgNotifUri:

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

TrafficInfluSub

Type: object

Properties:

dnns:

Type: array

Items:

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

minItems: 1

Description: Each element identifies a DNN.

snssais:**Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Snssai'**minItems:** 1**Description:** Each element identifies a slice.**internalGroupIds:****Type:** array**Items:****Type:** string**minItems:** 1**Description:** Each element identifies a group of users.**supis:****Type:** array**Items:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Supi'**minItems:** 1**Description:** Each element identifies the user.**notificationUri:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/Uri'**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Required:**

- notificationUri

oneOf:

- required: [dnns]
- required: [snssais]
- required: [internalGroupIds]
- required: [supis]

