



ExposureData

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OpenAPI

OpenAPI Version: 3.0.0

Info

Version: '-'

Title: 'Unified Data Repository Service API file for structured data for exposure'

Description: 'The API version is defined in 3GPP TS 29.504'

Paths

/exposure-data/{ueId}/access-and-mobility-data

put:

Summary: Creates and updates the access and mobility exposure data for a UE

Operation ID: CreateAccessAndMobilityData

Tags:

- AccessAndMobilityData

Parameters:

- **Name:** ueId

In: path

Description: UE id

Required/Optional: true

Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Request Body:
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/AccessAndMobilityData'

Responses:

'201':
Description: Upon success, a response body is returned containing a representation of the access and mobility data
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'

get:
Summary: Retrieves the access and mobility exposure data for a UE
Operation ID: QueryAccessAndMobilityData

Tags:
- AccessAndMobilityData

Parameters:
- **Name:** ueId
In: path
Description: UE id
Required/Optional: true

Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

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

Responses:

'200':
Description: The response body contains the access and mobility data
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/AccessAndMobilityData'

'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'

delete:
Summary: Deletes the access and mobility exposure data for a UE
Operation ID: DeleteAccessAndMobilityData

Tags:
- AccessAndMobilityData

Parameters:

- **Name:** ueId
In: path
Description: UE id
Required/Optional: true
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

Responses:

'204':

Description: Upon success, an empty response body shall be returned

'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'

/exposure-data/{ueId}/session-management-data/{pduSessionId}

put:

Summary: Creates and updates the session management data for a UE and for an individual PDU session

Operation ID: CreateSessionManagementData

Tags:

- PduSessionManagementData

Parameters:

- **Name:** ueId
In: path
Description: UE id
Required/Optional: true
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'

- **Name:** pduSessionId
In: path
Description: PDU session id
Required/Optional: true
Schema:
Type: integer

Request Body:

Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/PduSessionManagementData'

Responses:

'201':
Description: Upon success, a response body is returned containing a representation of the session management data

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'**get:****Summary:** Retrieves the session management data for a UE and for an individual PDU session**Operation ID:** QuerySessionManagementData**Tags:**

- PduSessionManagementData

Parameters:- **Name:** ueId**In:** path**Description:** UE id**Required/Optional:** true**Schema:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'- **Name:** pduSessionId**In:** path**Description:** PDU session id**Required/Optional:** true**Schema:****Type:** integer- **Name:** ipv4-addr**In:** query**Description:** IPv4 Address of the UE

Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv4Addr'

- **Name:** ipv6-prefix
In: query
Description: IPv6 Address Prefix of the UE
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv6Prefix'
- **Name:** dnn
In: query
Description: DNN of the UE
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/Dnn'
- **Name:** fields
In: query
Description: attributes to be retrieved
Required/Optional: false
Schema:
Type: array
Items:
Type: string
- **Name:** supp-feat
In: query
Description: Supported Features
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'

Responses:

'200':
Description: The response body contains the session management data
Content:
Application/JSON:
Schema:
Reference: '#/components/schemas/PduSessionManagementData'

'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'

delete:

Summary: Deletes the session management data for a UE and for an individual PDU session

Operation ID: DeleteSessionManagementData

Tags:

- PduSessionManagementData

Parameters:

- **Name:** ueId
In: path
Description: UE id
Required/Optional: true
Schema:
Reference: 'TS29571_CommonData.yaml#/components/schemas/VarUeId'
- **Name:** pduSessionId
In: path
Description: PDU session id
Required/Optional: true
Schema:
Type: integer

Responses:

- '204':
Description: Upon success, an empty response body shall be returned
- '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'

/exposure-data/subs-to-notify

Method: Post

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

```

    Reference: '#/components/schemas/ExposureDataSubscription'

Responses:
  '201':
    Description: Created
    Content:
      Application/JSON:
        Schema:
          Reference: '#/components/schemas/ExposureDataSubscription'
    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:
  exposureDataChangeNotification:
    '{$request.body#/notificationUri}':
      Method: Post
      Request Body:
        Required/Optional: true
        Content:
          Application/JSON:
            Schema:
              Type: array
              Items:
                Reference: '#/components/schemas/ExposureDataChangeNotification'
                Min Items: 1

    Responses:

```



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'204':
  Description: No Content, Notification was succesfull
'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'

```

/exposure-data/subs-to-notify/{subId}

put:

Summary: updates a subscription for notifications

Parameters:

- **Name:** subId
- In:** path
- Description:** Subscription id
- Required/Optional:** true
- Schema:**
 - Type:** string

Request Body:

- Required/Optional:** true
- Content:**
 - Application/JSON:**
 - Schema:**
 - Reference:** '#/components/schemas/ExposureDataSubscription'

Responses:

- '200':
 - Description:** Resource was succesfully modified.
 - Content:**
 - Application/JSON:**
 - Schema:**

```

    Reference: '#/components/schemas/ExposureDataSubscription'
  '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:
  Summary: Deletes a subscription for notifications

  Parameters:
  - Name: subId
    In: path
    Description: Subscription id
    Required/Optional: true
    Schema:
      Type: string

  Responses:
  '204':
    Description: Resource was succesfully 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'

Components

schemas:**AccessAndMobilityData:****Type:** object**Properties:****location:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/UserLocation'**locationTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**timeZone:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/TimeZone'**timeZoneTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**accessType:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/AccessType'**regStates:****Type:** array**Items:****Reference:** 'TS29518_Namf_EventExposure.yaml#/components/schemas/RmInfo'**regStatesTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**connStates:****Type:** array**Items:****Reference:** 'TS29518_Namf_EventExposure.yaml#/components/schemas/CmInfo'**connStatesTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**reachabilityStatus:****Reference:** 'TS29518_Namf_EventExposure.yaml#/components/schemas/UeReachability'**reachabilityStatusTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**smsOverNasStatus:****Reference:** 'TS29518_Namf_Communication.yaml#/components/schemas/SmsSupport'**smsOverNasStatusTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**roamingStatus:****Type:** boolean**Description:** True The serving PLMN of the UE is different from the HPLMN of the UE; False The serving PLMN of the UE is the HPLMN of the UE.**roamingStatusTs:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/DateTime'**currentPlmn:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/PlmnId'**currentPlmnTs:**

```

    Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
  ratType:
    Type: array
    Items:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/RatType'
  ratTypesTs:
    Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
PduSessionManagementData:
  Type: object
  Properties:
    pduSessionStatus:
      Reference: '#/components/schemas/PduSessionStatus'
    pduSessionStatusTs:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
    dnai:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/Dnai'
    dnaiTs:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
    n6TrafficRoutingInfo:
      Type: array
      Items:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/RouteToLocation'
    n6TrafficRoutingInfoTs:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
    ipv4Addr:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv4Addr'
    ipv6Prefix:
      Type: array
      Items:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/Ipv6Prefix'
      minItems: 1
      Description: UE IPv6 prefix.
    ipAddrTs:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/DateTime'
    dnn:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/Dnn'
ExposureDataSubscription:
  Type: object
  Properties:
    notificationUri:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/Uri'
    monitoredResourceUris:
      Type: array
      Items:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/Uri'
      minItems: 1
    supportedFeatures:
      Reference: 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'
  Required:
    - notificationUri
    - monitoredResourceUris
ExposureDataChangeNotification:

```

Type: object

Properties:

- ueId:**
 - Reference:** 'TS29571_CommonData.yaml#/components/schemas/VarUeId'
- accessAndMobilityData:**
 - Reference:** '#/components/schemas/AccessAndMobilityData'
- pduSessionManagementData:**
 - Type:** array
 - Items:**
 - Reference:** '#/components/schemas/PduSessionManagementData'
 - minItems:** 1
- PduSessionStatus:**
 - anyOf:**
 - type: string
 - enum:**
 - "ACTIVE"
 - "RELEASED"
 - type: string
 - Description:**
 - This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.
- Description:**
 - Possible values are
 - "ACTIVE"
 - "RELEASED"

