



CAPIF Events API

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: CAPIF_Events_API

Description: This API enables the Subscriber to communicate with the CAPIF core function to subscribe to and unsubscribe from CAPIF events, and receive subsequent notifications of CAPIF events.

Version: "1.0.0"

Servers

URL: '{apiRoot}/capif-events/v1'

Variables:

API Root:

Default: <https://example.com>

Description: apiRoot as defined in subclause 7.5 of 3GPP TS 29.222

Paths

`{subscriberId}/subscriptions`

Method: Post

Description: Creates a new individual CAPIF Event Subscription.

Parameters:

- **Name:** subscriberId

In: path

Description: Identifier of the Subscriber

Required/Optional: true

Schema:

Type: string

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EventSubscription'

Callbacks:

notificationDestination:

'{request.body#/notificationDestination}':

Method: Post

Request Body: # contents of the callback message

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/EventNotification'

Responses:

'204':

Description: No Content (successful notification)

'400':

Reference: 'TS29122_CommonData.yaml#/components/responses/400'

'401':

Reference: 'TS29122_CommonData.yaml#/components/responses/401'

'403':

Reference: 'TS29122_CommonData.yaml#/components/responses/403'

'404':

Reference: 'TS29122_CommonData.yaml#/components/responses/404'

'411':

Reference: 'TS29122_CommonData.yaml#/components/responses/411'

'413':

Reference: 'TS29122_CommonData.yaml#/components/responses/413'

'415':

Reference: 'TS29122_CommonData.yaml#/components/responses/415'

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'429':
  Reference: 'TS29122_CommonData.yaml#/components/responses/429'
'500':
  Reference: 'TS29122_CommonData.yaml#/components/responses/500'
'503':
  Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

Responses:

```

'201':
  Description: Created (Successful creation of subscription)
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/EventSubscription'
      Headers:
        Location:
          description: 'Contains the URI of the newly created resource,
according to the structure:
{apiRoot}/capif-events/v1/{subscriberId}/subscriptions/{subscriptionId}'
          Required/Optional: true
          Schema:
            Type: string
'400':
  Reference: 'TS29122_CommonData.yaml#/components/responses/400'
'401':
  Reference: 'TS29122_CommonData.yaml#/components/responses/401'
'403':
  Reference: 'TS29122_CommonData.yaml#/components/responses/403'
'404':
  Reference: 'TS29122_CommonData.yaml#/components/responses/404'
'411':
  Reference: 'TS29122_CommonData.yaml#/components/responses/411'
'413':
  Reference: 'TS29122_CommonData.yaml#/components/responses/413'
'415':
  Reference: 'TS29122_CommonData.yaml#/components/responses/415'
'429':
  Reference: 'TS29122_CommonData.yaml#/components/responses/429'
'500':
  Reference: 'TS29122_CommonData.yaml#/components/responses/500'
'503':
  Reference: 'TS29122_CommonData.yaml#/components/responses/503'
Default:
  Reference: 'TS29122_CommonData.yaml#/components/responses/default'

```

/{subscriberId}/subscriptions/{subscriptionId}

delete:

Description: Deletes an individual CAPIF Event Subscription.

Parameters:

- **Name:** subscriberId
In: path
Description: Identifier of the Subscriber
Required/Optional: true
Schema:
Type: string
- **Name:** subscriptionId
In: path
Description: Identifier of an individual Events Subscription
Required/Optional: true
Schema:
Type: string

Responses:

- '204':
Description: The individual CAPIF Events Subscription matching the subscriptionId is deleted.
- '400':
Reference: 'TS29122_CommonData.yaml#/components/responses/400'
- '401':
Reference: 'TS29122_CommonData.yaml#/components/responses/401'
- '403':
Reference: 'TS29122_CommonData.yaml#/components/responses/403'
- '404':
Reference: 'TS29122_CommonData.yaml#/components/responses/404'
- '429':
Reference: 'TS29122_CommonData.yaml#/components/responses/429'
- '500':
Reference: 'TS29122_CommonData.yaml#/components/responses/500'
- '503':
Reference: 'TS29122_CommonData.yaml#/components/responses/503'
- Default:**
Reference: 'TS29122_CommonData.yaml#/components/responses/default'

Components

schemas:

EventSubscription:

- Type:** object
- Properties:**
 - events:**
 - Type:** array
 - Items:**
 - Reference:** '#/components/schemas/CAPIFEvent'
 - minItems:** 1
 - Description:** Subscribed events

notificationDestination:**Reference:** 'TS29122_CommonData.yaml#/components/schemas/Uri'**requestTestNotification:****Type:** boolean**Description:** Set to true by Subscriber to request the CAPIF core function to send a test notification as defined in in subclause 7.6. Set to false or omitted otherwise.**websocketNotifConfig:****Reference:** 'TS29122_CommonData.yaml#/components/schemas/WebsocketNotifConfig'**supportedFeatures:****Reference:** 'TS29571_CommonData.yaml#/components/schemas/SupportedFeatures'**Required:**

- events
- notificationDestination

EventNotification:**Type:** object**Properties:****subscriptionId:****Type:** string**Description:** Identifier of the subscription resource to which the notification is related - CAPIF resource identifier**events:****Reference:** '#/components/schemas/CAPIFEvent'**Required:**

- subscriptionId
- events

CAPIFEvent:**anyOf:**

- type: string

enum:

- SERVICE_API_AVAILABLE
 - SERVICE_API_UNAVAILABLE
 - SERVICE_API_UPDATE
 - API_INVOKER_ONBOARDED
 - API_INVOKER_OFFBOARDED
 - SERVICE_API_INVOCATION_SUCCESS
 - SERVICE_API_INVOCATION_FAILURE
 - ACCESS_CONTROL_POLICY_UPDATE
 - ACCESS_CONTROL_POLICY_UNAVAILABLE
 - API_INVOKER_AUTHORIZATION_REVOKED
- 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

- SERVICE_API_AVAILABLE: Events related to the availability of service APIs after the service APIs are published.
- SERVICE_API_UNAVAILABLE: Events related to the unavailability of service APIs after the service APIs are unpublished.
- SERVICE_API_UPDATE: Events related to change in service API information.
- API_INVOKER_ONBOARDED: Events related to API invoker onboarded to CAPIF.
- API_INVOKER_OFFBOARDED: Events related to API invoker offboarded from CAPIF.
- SERVICE_API_INVOCATION_SUCCESS: Events related to the successful invocation of service APIs.
- SERVICE_API_INVOCATION_FAILURE: Events related to the failed invocation of service APIs.
- ACCESS_CONTROL_POLICY_UPDATE: Events related to the update for the access control

policy related to the service APIs. - ACCESS_CONTROL_POLICY_UNAVAILABLE: Events related to the unavailability of the access control policy related to the service APIs.
- API_INVOKER_AUTHORIZATION_REVOKED: Events related to the revocation of the authorization of API invokers to access the service APIs.

External Docs

Description: 3GPP TS 29.222 V15.2.0 Common API Framework for 3GPP Northbound APIs

URL: http://www.3gpp.org/ftp/Specs/archive/29_series/29.222/