



CAPIF_Events_API

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.

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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"

externalDocs

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/

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 and 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' 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'
'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' 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 and 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': 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

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.

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.