



CAPIF API Invoker Management API

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: CAPIF_API_Invoker_Management_API

Description: This API enables the API invoker to communicate with the CAPIF core function to negotiate security methods and obtain authorizations to access service APIs.

Version: "1.0.0"

Servers

URL: '{apiRoot}/api-invoker-management/v1'

Variables:

API Root:

Default: https://example.com

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

Paths

/onboardedInvokers

Method: Post

Description: Creates a new individual API Invoker profile.

Request Body:

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/APIInvokerEnrolmentDetails'

Callbacks:

notificationDestination:

'{request.body#/notificationDestination}':

Method: Post

Description: Notify the API Invoker about the onboarding completion

Request Body: # contents of the callback message

Required/Optional: true

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/OnboardingNotification'

Responses:

'204':

Description: No Content (successful onboarding 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':

Description: API invoker on-boarded successfully

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/APIInvokerEnrolmentDetails'

Headers:

Location:

description: 'Contains the URI of the newly created resource, according to the structure:
{apiRoot}/api-invoker-management/v1/onboardedInvokers/{onboardingId}'

Required/Optional: true

Schema:

Type: string

'202':

Description: The CAPIF core has accepted the Onboarding request and is processing it.

'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'

/onboardedInvokers/{onboardingId}

delete:

Description: Deletes an individual API Invoker.

Parameters:

- **Name:** onboardingId
- In:** path

Description: String identifying an individual on-boarded API invoker resource
Required/Optional: true
Schema:
Type: string

Responses:

'204':
Description: The individual API Invoker matching onboardingId was offboarded.

'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:**OnboardingInformation:****Type:** object**Properties:****apiInvokerPublicKey:****Type:** string**Description:** The API Invoker's public key**apiInvokerCertificate:****Type:** string**Description:** The API Invoker's generic client certificate, provided by the CAPIF core function.**onboardingSecret:****Type:** string**Description:** The API Invoker's onboarding secret, provided by the CAPIF core function.**Required:**

- apiInvokerPublicKey

APIList:**Type:** array**Items:****Reference:**

'TS29222_CAPIF_Publish_Service_API.yaml#/components/schemas/ServiceAPIDescription'

minItems: 1

Description: The list of service APIs that the API Invoker is allowed to invoke

APIInvokerEnrolmentDetails:

Type: object

Properties:

apiInvokerId:

Type: string

Description: API invoker ID assigned by the CAPIF core function to the API invoker while on-boarding the API invoker. Shall not be present in the HTTP POST request from the API invoker to the CAPIF core function, to on-board itself. Shall be present in all other HTTP requests and responses.

readOnly: true

onboardingInformation:

Reference: '#/components/schemas/OnboardingInformation'

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'

apiList:

Reference: '#/components/schemas/APIList'

apiInvokerInformation:

Type: string

Description: Generic information related to the API invoker such as details of the device or the application.

supportedFeatures:

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

Required:

- onboardingInformation
- notificationDestination

Description: Information about the API Invoker that requested to onboard

OnboardingNotification:

Type: object

Properties:

result:

Type: boolean

Description: Set to "true" indicate successful on-boarding. Otherwise set to "false"

resourceLocation:

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

apiInvokerEnrolmentDetails:

Reference: '#/components/schemas/APIInvokerEnrolmentDetails'

apiList:

Reference: '#/components/schemas/APIList'

Required:

- result

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/