



CAPIF Discover Service API

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OpenAPI

OpenAPI Version: 3.0.0

Info

Title: CAPIF_Discover_Service_API

Description: This API enables the API invoker to communicate with the CAPIF core function to discover the published service API information.

Version: "1.0.0"

Servers

URL: '{apiRoot}/service-apis/v1'

Variables:

API Root:

Default: https://example.com

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

Paths

/allServiceAPIs

get:

Description: Discover published service APIs and retrieve a collection of APIs according to certain filter criteria.

Parameters:

- **Name:** api-invoker-id
In: query
Description: String identifying the API invoker assigned by the CAPIF core function.
Required/Optional: true
Schema:
Type: string
- **Name:** api-name
In: query
Description: API name, it is set as {apiName} part of the URI structure as defined in subclause 4.4 of 3GPP TS 29.501 [18].
Schema:
Type: string
- **Name:** api-version
In: query
Description: API major version the URI (e.g. v1).
Schema:
Type: string
- **Name:** comm-type
In: query
Description: Communication type used by the API (e.g. REQUEST_RESPONSE).
Schema:
Reference:
'TS29222_CAPIF_Publish_Service_API.yaml#/components/schemas/CommunicationType'
- **Name:** protocol
In: query
Description: Protocol used by the API.
Schema:
Reference: 'TS29222_CAPIF_Publish_Service_API.yaml#/components/schemas/Protocol'
- **Name:** aef-id
In: query
Description: AEF identifier.
Schema:
Type: string
- **Name:** data-format
In: query
Description: Data formats used by the API (e.g. serialization protocol JSON used).
Schema:

Reference: 'TS29222_CAPIF_Publish_Service_API.yaml#/components/schemas/DataFormat'

- **Name:** supported-features

In: query

Description: To filter irrelevant responses related to unsupported features

Schema:

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

Responses:

'200':

Description: The response body contains the result of the search over the list of registered APIs.

Content:

Application/JSON:

Schema:

Reference: '#/components/schemas/DiscoveredAPIs'

'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'

'406':

Reference: 'TS29122_CommonData.yaml#/components/responses/406'

'414':

Reference: 'TS29122_CommonData.yaml#/components/responses/414'

'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:

DiscoveredAPIs:

Type: object

Properties:

serviceAPIDescriptions:

Type: array

Items:

Reference:

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

minItems: 1

Description: Description of the service API as published by the service. Each service API description shall include AEF profiles matching the filter criteria.

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/