



CAPIF_Discover_Service_API

API for discovering service APIs.

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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"

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}/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' 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.