



# CAPIF\_Discover\_Service\_API

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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/](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.