



# CAPIF Logging API Invocation API

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## OpenAPI

OpenAPI Version: 3.0.0

## Info

**Title:** CAPIF\_Logging\_API\_Invocation\_API

**Description:** This API enables the API exposing function to communicate with the CAPIF core function to log the information related to service API invocations.

**Version:** "1.0.0"

## Servers

**URL:** '{apiRoot}/api-invocation-logs/v1'

**Variables:**

**API Root:**

**Default:** https://example.com

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

# Paths

## `{aefId}/logs`

**Method:** Post

**Description:** Creates a new log entry for service API invocations.

**Parameters:**

- **Name:** aefId

**In:** path

**Description:** Identifier of the API exposing function

**Required/Optional:** true

**Schema:**

**Type:** string

**Request Body:**

**Required/Optional:** true

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/InvocationLog'

**Responses:**

'201':

**Description:** Log of service API invocations provided by API exposing function successfully stored on the CAPIF core function.

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/InvocationLog'

**Headers:**

**Location:**

**description:** 'Contains the URI of the newly created resource, according to the structure: {apiRoot}/api-invocation-logs/v1/{aefId}/logs/{logId}'

**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'

```

## {aefId}/logs/{logId}

**Description:** Creates a new log entry for service API invocations.

**Parameters:**

- **Name:** aefId  
**In:** path  
**Description:** Identifier of the API exposing function  
**Required/Optional:** true  
**Schema:**  
**Type:** string
- **Name:** logId  
**In:** path  
**Description:** Identifier of individual log entry  
**Required/Optional:** true  
**Schema:**  
**Type:** string

## Components

**schemas:**

**InvocationLog:**

**Type:** object

**Properties:**

**aefId:**

**Type:** string

**Description:** Identity information of the API exposing function requesting logging of service API invocations

**apiInvokerId:**

**Type:** string

**Description:** Identity of the API invoker which invoked the service API

**logs:**

**Type:** array

**Items:**

**Reference:** '#/components/schemas/Log'

**minItems:** 1

**Description:** Service API invocation log

**supportedFeatures:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**Required:**

- aefId
- apiInvokerId
- log

**Log:**

**Type:** object

**Properties:**

**apiId:**

**Type:** string

**Description:** String identifying the API invoked.

**apiName:**

**Type:** string

**Description:** Name of the API which was invoked, it is set as {apiName} part of the URI structure as defined in subclause 4.4 of 3GPP TS 29.501.

**apiVersion:**

**Type:** string

**Description:** Version of the API which was invoked

**resourceName:**

**Type:** string

**Description:** Name of the specific resource invoked

**uri:**

**Reference:** 'TS29122\_CommonData\_API.yaml#/components/schemas/Uri'

**protocol:**

**Reference:** 'TS29222\_CAPIF\_Publish\_Service\_API.yaml#/components/schemas/Protocol'

**operation:**

**Reference:** 'TS29222\_CAPIF\_Publish\_Service\_API.yaml#/components/schemas/Operation'

**result:**

**Type:** string

**Description:** For HTTP protocol, it contains HTTP status code of the invocation

**invocationTime:**

**Reference:** 'TS29122\_CommonData.yaml#/components/schemas/DateTime'

**invocationLatency:**

**Reference:** '#/components/schemas/DurationMs'

**inputParameters:**

**Description:** List of input parameters. Can be any value - string, number, boolean, array or object.

**outputParameters:**

**Description:** List of output parameters. Can be any value - string, number, boolean, array or object.

**srcInterface:**

**Reference:**

'TS29222\_CAPIF\_Publish\_Service\_API.yaml#/components/schemas//InterfaceDescription'

**destInterface:**

**Reference:**

'TS29222\_CAPIF\_Publish\_Service\_API.yaml#/components/schemas/InterfaceDescription'

**fwdInterface:**

**Type:** string

**Description:** It includes the node identifier (as defined in IETF RFC 7239 of all forwarding entities between the API invoker and the AEF, concatenated with comma and space,

e.g. 192.0.2.43:80, unknown:\_OBFPport, 203.0.113.60

**Required:**

- apiId
- apiName
- apiVersion
- resourceName
- protocol
- result

**DurationMs:**

**Type:** integer

**Description:** Unsigned integer identifying a period of time in units of milliseconds.

**Minimum:** 0

## 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/](http://www.3gpp.org/ftp/Specs/archive/29_series/29.222/)

