



## Nnwdaf\_AnalyticsInfo

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The NWDAF slice congestion events notification Service is provided by the Network Data Analytics Function (NWDAF).

- Allows NF consumers to subscribe to and unsubscribe from load events of network slice instance.
- Notifies NF consumers with a corresponding subscription about observed events.
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## OpenAPI

OpenAPI Version: 3.0.0

## info

**Description:** Nnwdaf\_AnalyticsInfo Service API

**Version:** "1.0.0"

**Title:** Nnwdaf\_AnalyticsInfo

## externalDocs

**Description:** 3GPP TS 29.520 V15.2.0; 5G System; Network Data Analytics Services.

**URL:** 'http://www.3gpp.org/ftp/Specs/archive/29\_series/29.520/'

## security

- {}
- oAuth2ClientCredentials:
- nnwdaf-analyticsinfo

## servers

**URL:** '{apiRoot}/nnwdaf-analyticsinfo/v1'

**Variables:**

**API Root:**

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

**Description:** apiRoot as defined in subclause 4.4 of 3GPP TS 29.501.

## paths

### /analytics

**get:**

**Parameters:**

- name: event-id

**In:** query

**Description:** Identify the analytics.

**Required/Optional:** true

**Schema:**

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

- name: event-filter

**In:** query

**Description:** Identify the analytics when the eventId is "Load\_Level\_Information".

**Required/Optional:** false

**Schema:**

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

- 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 individual PCF session binding session binding information resource matching the query parameter(s) is returned.**Content:****Application/JSON:****Schema:****Reference:** '#/components/schemas/AnalyticsData'**'400':** Reference 'TS29571\_CommonData.yaml#/components/responses/400'**'401':** Reference 'TS29571\_CommonData.yaml#/components/responses/401'**'403':** Reference 'TS29571\_CommonData.yaml#/components/responses/403'**'404'** Indicates that the NWDAF Analytics resource does not exist.**Content:**

application/problem+json:

**Schema:****Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'**'406':** Reference 'TS29571\_CommonData.yaml#/components/responses/406'**'414':** Reference 'TS29571\_CommonData.yaml#/components/responses/414'**'429':** Reference 'TS29571\_CommonData.yaml#/components/responses/429'**'500':** Reference 'TS29571\_CommonData.yaml#/components/responses/500'**'503':** Reference 'TS29571\_CommonData.yaml#/components/responses/503'**default:** Reference 'TS29571\_CommonData.yaml#/components/responses/default'

## components

### securitySchemes

#### oAuth2ClientCredentials

**Type:** oauth2**Flows:****clientCredentials:****tokenUrl:** '{nrfApiRoot}/oauth2/token'**scopes:**

**nnwdaf-analyticsinfo:** Access to the Nnwdaf\_AnalyticsInfo API

## schemas

### AnalyticsData

**Type:** object

**Properties:**

**sliceLoadLevelInfos:**

**Type:** array

**Items:**

**Reference:** 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/SliceLoadLevelInformation'

**minItems:** 1

**Description:** The slices and there load level information.

### EventFilter

**Type:** object

**Properties:**

**anySlice:**

**Reference:** 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/AnySlice'

**snsais:**

**Type:** array

**Items:**

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

**minItems:** 1

**Description:** Identification(s) of network slice to which the subscription belongs. When eventId is "Load\_level\_Information", either information about slice(s) identified by snsai, or anySlice set to "TRUE" shall be included.

**not:**

**Required:** [anySlice, snsais]

### EventId

**anyOf:**

- type: string

This string provides forward-compatibility with future extensions to the enumeration but is not used to encode content defined in the present version of this API.

Possible values are

- LOAD\_LEVEL\_INFORMATION: Represent the analytics of load level information of corresponding network slice instance.

